



SEMS DocID

642306

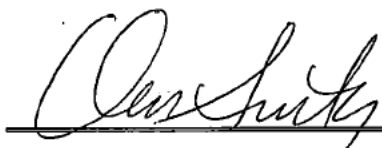
REMEDIAL SITE ASSESSMENT DECISION - EPA NEW ENGLANDSite Name: Connecticut Cycle Accessories EPA ID#: CTD057236465

Alias Site Names: _____

Address: 90 South Park Street City: Windham State: CTRefer to Report Dated: 09-26-94 Report type: SIPReport developed by: CT DEP**DECISION:**☐ 1. Further Remedial Site Assessment under CERCLA (Superfund) is not required because:☐ 1a. Site does not qualify for further remedial site assessment under CERCLA
(No Further Remedial Action Planned - NFRAP)☐ 1b. Site may qualify for further action, but is deferred to:☐ RCRA
☐ NRC☒ 2. Further Assessment Needed Under CERCLA:2a. (optional) Priority: ☐ Higher ☒ Lower2b. Activity Type: ☐ PA ☐ SI ☐ ESI ☐ HRS evaluation☒ ther: Further evaluation needed**DISCUSSION/RATIONALE:**

Groundwater contamination in residential wells have been attributed to the site. The contaminated wells are being monitored and treatment is provided where necessary.

Potential release from NPDES permit to the surface water pathway.

**Report Reviewed
and Approved by:**Don Smith Signature:  Date: May 1, 1997**Site Decision
Made by:**Don Smith Signature:  Date: May 1, 1997



STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION



Site Inspection Prioritization Report
Connecticut Cycle Accessories
Windham (Willimantic), Connecticut
CERCLIS No. CTD057236465

September 26, 1994

INTRODUCTION

The following Site Inspection Prioritization (SIP) complies with the requirements set forth under the EPA Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), as amended. The SIP represents a site screening process set forth by the National Contingency Plan (NCP). It does not necessarily fulfill the requirements of other State and Federal Regulations, such as RCRA. This work is being completed under Connecticut's Multi-Site Cooperative Agreement (MSCA) with EPA.

A site sampling trip was conducted on-site at Connecticut Cycle Accessories on South Park Street in Willimantic, Connecticut on 8/15/91 by CT DEP Permitting, Enforcement and Remediation Division personnel during the SI investigation. The weather was overcast with periods of rain, with a temperature of approximately 80°F.

Submitted by:

Thomas R. Neville
Environmental Analyst 2
Permitting, Enforcement and
Remediation Division
Bureau of Water Management

Douglas C. Zimmerman
Supervising Environmental Analyst
Permitting, Enforcement and
Remediation Division
Bureau of Water Management

INTRODUCTION

Connecticut Cycle Accessories is located at 90 South Park Street in the town of Windham (Willimantic), Connecticut. The site was entered into the Federal Superfund (CERCLA) Information System (CERCLIS) as a result of an EPA 103(c) questionnaire submitted by the company which suggests the existence of a 50,000 ft² "facility" used for hazardous waste.

DESCRIPTION AND REGULATORY HISTORY

Connecticut Cycle Accessories was a company that manufactured motorcycle parts. The processes included nickel and chrome plating, machine tooling and welding. Connecticut Cycle Accessories was in operation at this site from 1976 until the corporation was dissolved in 1986. (1,2)

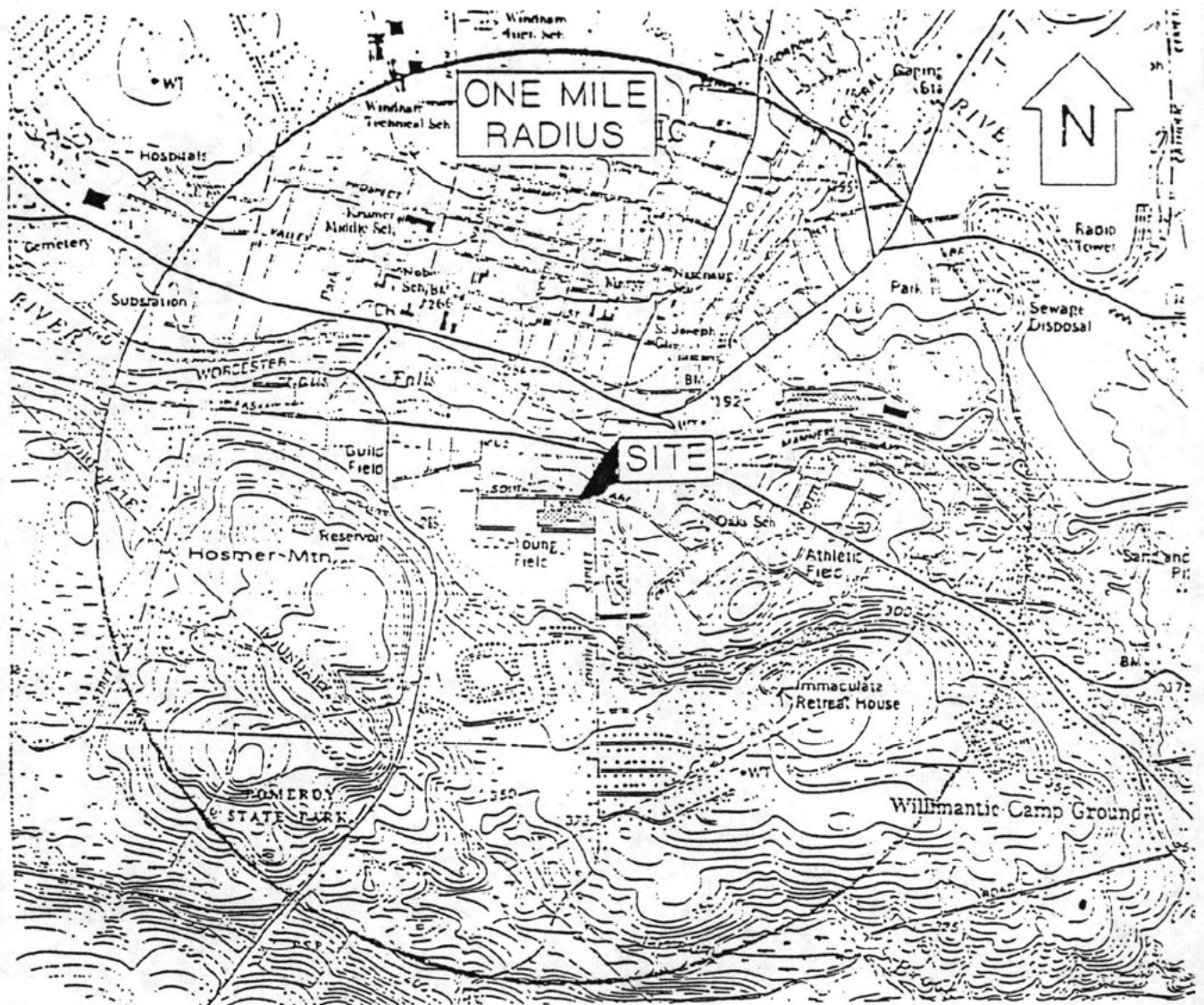
The site is approximately 4.5 acres in area with one building. The building is sectioned due to structure additions over the years. All sections of the building are inter-connected. The site is bordered by a wooded area to the west, South Park Street to the north, South Street to the east, and Young Street to the south. The building is almost entirely surrounded by either roadway or paved parking areas, both of which have been in existence prior to the Connecticut Cycle Accessories occupancy. A small area of grass exists (~15 ft²) in an area between Young Street and the Building. CT DEP collected soil samples from this area during the 8/15/91 Screening Site Inspection investigation(see "Soil" section of narrative). The area surrounding the site is residential. Access to the site is not restricted. The topography of the property is relatively flat. (4,5,6)(Figures 1 and 2)

The site is located in the Shetucket Regional Basin. The Shetucket River Basin is approximately 507 square miles in area lying within the Thames River Major Drainage Basin of Connecticut. The closest surface water is the Willimantic River, which is located approximately ¼ of a mile to the north of the site. The surface water classification of the Willimantic River in this area is B. (4)

In 1980, Connecticut Cycle Accessories notified as an uncontrolled waste site pursuant to § 103(c) of CERCLA. However, the notification states that no releases occurred at the site. According to Mr. Turkington, the owner of the site and owner of Connecticut Cycle Accessories, the "50,000 ft² facility" reported in the notification describes the total area of the building in which Connecticut Cycle Accessories was housed. (1)

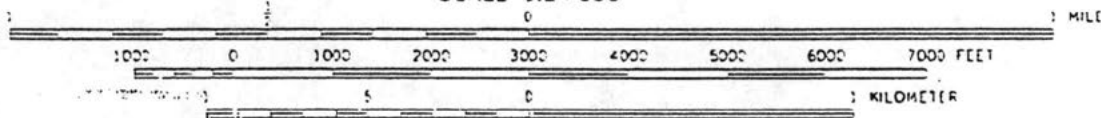
During inspections conducted by CT DEP on 5/7/82, and 5/10/82, Connecticut Cycle Accessories was cited for violations of Connecticut's Hazardous Waste Management Regulations. The violations cited pertained to inspection logs (25-54cc(c)-28), contingency plans (25-54cc(c)-31), training records (25-54cc(c)-29), container management (25-54cc(c)-38), short term storage and accumulation time (25-54cc(c)-7). (1)

A Notice of Violation (NOV-040) dated 11/9/82 was issued to the company citing the aforementioned violations following the 1982 inspection. Based on an inspection of the facility on 11/5/86, the company was found in full compliance with NOV-040 and all applicable Connecticut Hazardous Waste Management Regulations under the provisions of § 22a-449 of the Connecticut General Statutes. (1)



BASE MAP IS A PORTION OF THE FOLLOWING USGS QUADRANGLE(S):
WILLIMANTIC, CT., 1984.

SCALE 1:24 000



CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929



CONNECTICUT CYCLE ACCESSORIES
WILLIMANTIC, CONNECTICUT
Location map

FIGURE 1

Connecticut Cycle Accessories (RCRA ID No. CTD057236465) was sold to Conncraft in February of 1986. The RCRA identification number, the NPDES permit, and sewage discharge permits were all transferred in the sale, as their processes were similar to Connecticut Cycle Accessories'. A Negative Declaration (Form I) was filed by Mark Turkington pursuant to Connecticut's "Transfer of Establishment Act". The Form I submittal by Mr. Turkington notified CT DEP that no release had occurred at the site. (1,2)

A Notice of Violation (NOV-434) dated 6/22/87 was issued to Conncraft citing violations of Connecticut's Hazardous Waste Management Regulations under provisions of Chapters 439 and 446k, §§ 22a-6 and 22a-449 of the Connecticut General Statutes. The company was ordered to bring all waste handling procedures/facilities into compliance with the State's Hazardous Waste Management Regulations by hiring a qualified consultant to perform a site assessment and implement an appropriate remediation. On 2/1/91, Conncraft was found in compliance with all terms of Order N° HM-434. (1)

OPERATIONAL HISTORY AND WASTE CHARACTERISTICS

Connecticut Cycle Accessories was a company that manufactured motorcycle parts. The processes included nickel and chrome plating, machine tooling and welding. Connecticut Cycle Accessories was in operation at this site from 1976 until the corporation was dissolved in 1986. Town records show that the earliest identified owner of the property on record was Ruth White, who acquired the property as a devisee of part of an estate. The devisor of the estate, prior ownership, and related transaction dates are unknown. Mrs. White sold a parcel of land related to the site to Willimantic Industries on 6/13/50, and the other parcel related to the site to Charles Hitchcock on 5/12/55. Charles Hitchcock then sold the parcel to Electromotive on 7/20/55. Willimantic Industries and Electromotive shared ownership of the parcel for a short period of time. The shared parcels make up the present acreage of the site.

The present owners, Mark and Philip Turkington have owned this property since 6/29/76, when it was purchased from Electromotive. The Turkingtons were also the owners of the former Connecticut Cycle Accessories. Town records state that structures related to Willimantic Industries were in existence at this site since 1890. Additions to existing structures have created the multi-sectioned building currently in existence at the site(see Figure 2). (1,2,5)

Electromotive Manufacturing Corporation (Plant # 1) had operations at the South Park Street location from 1939 until 1975, according to CT DEP files. The company manufactured radio and television capacitors and conductive silver at this location. Their processes included fabrication and assembly, grinding, forming, molding, "mixing with vehicle", printing and baking, testing, and packaging. CT DEP inspection reports for Electromotive indicate that no industrial wastes were generated by Electromotive at this location. (1)

Connecticut Cycle Accessories was a company that manufactured motorcycle parts. The processes included nickel and chrome plating, machine tooling and welding. The plating line consisted of one semi-bright nickel plating tank (400 gallon), one bright nickel plating tank (400 gallon), and one chrome plating tank (550 gallon). Cleaning line consisted of one soaking tank (400 gallon), one descale tank (400 gallon), and one electric cleaning tank (400 gallon). Other process tanks included a hydrochloric acid tank (500 gallon), four rinse water tanks (400 gallons each), and a nitric acid tank. No cyanide was used in their processes. The plating line was constructed of cement and was recessed

into the first floor (above ground level), inside of the building used by Connecticut Cycle Accessories. No floor drains were observed by CT DEP staff in the wood floors of the Connecticut Cycle Accessories building during this investigation. (1,6)

Waste generated by the company included rinse water (1,000 gal/day) which was generated from the rinsing of parts after they were cleaned with hydrochloric and sulfuric acids, and industrial caustic cleaners in preparation for plating. The rinse water was stored and treated in two 5,000 gallon tanks. Sulfur dioxide was added to reduce hexavalent chromium compounds, then sodium hydroxide was added to raise the pH. (1)

The waste water was then filtered through a Serfilco filter unit and mixed with a poly flocculent to remove any sludge. The filtrate was then discharged to the Willimantic River along with non-contact cooling water which was generated during the welding processes (NPDES permit No. CT0023086, Sewage discharge permit No. DEP/WPC-163-036). Metal hydroxide (from the filters) and spent filter material were stored in 55-gallon drums in an area located inside the building (see Figure 2). This was manifested off-site at a rate of approximately 1,000 gallons/yr, as was Safety Kleen at approximately 30 gallons/month. Connecticut Cycle Accessories' final volume of waste was shipped off-site by EWR in June of 1986. Conncraft continued to use the plating line after Connecticut Cycle Accessories had moved out under Connecticut's Cycle Accessories' EPA IDN^o. As part of Order N^o 434, a total of 74 drums of hazardous waste, and one drum of non-hazardous waste were manifested off-site, including substances/wastes which had been found on-site by the Turkington's upon their property ownership. The concrete plating bath area has been filled with gravel, and covered with concrete as part of the terms of Order N^o 434 (see Figure 2). (1)

During the cleanup of the building by the Turkingtons in 1986, prior to Conncraft's occupancy, 23 drums of cyanide and 3 drums of cadmium were discovered in storage. These chemicals were used by Electromotive, a company that occupied the building prior to Connecticut Cycle Accessories, however, these chemicals were not used by Electromotive at this location. The processes in which Electromotive used cyanide and cadmium were performed at the Electromotive plant #2, located on Bridge Street, Willimantic. It is likely the drums found during the clean up of Connecticut Cycle Accessories had been left there by Electromotive when the company went out of business at both locations. (1,6)

All of the wastes found at the site during the clean up were characterized and manifested off-site for proper disposal by E.W.R. of Waterbury, Connecticut (CERCLIS No. CTD072138969), and Envirite Corporation of Thomaston, Connecticut (CERCLIS No. CTD093616613). (1)

Conncraft, a division of Plycraft located in Lawrence, Massachusetts, manufactured metal office furniture. This company operated at the South Park Street location from February of 1986 until October of 1987. Operations performed by this company consisted of aluminum and steel tube fabrication, plating, painting, and wastewater treatment. Numerous chemicals were used including: Nitric acid, Chromium, Nickel Sulfate, Nickel Chloride, Sulfuric Acid, Caustic cleaner, and Hydrochloric Acid. (1)

The wastes generated by Conncraft were metal hydroxide sludge, and filter paper containing metal hydroxide sludge. Metal hydroxide (from the filters) and spent filter material were stored in drums inside the building and periodically manifested off-site for proper disposal by Envirite Corporation of Thomaston, Connecticut. Rinse waters were discharged to the Willimantic River under NPDES permit (NPDES Permit No. CT0023086). (1,2)

American Healthstyle Furniture was the succeeding company to occupy this section of the building. This company manufactured an identical product and utilized the same processes as Conncraft and operated at the South Park Street location from October of 1987 until November of 1988. (1)

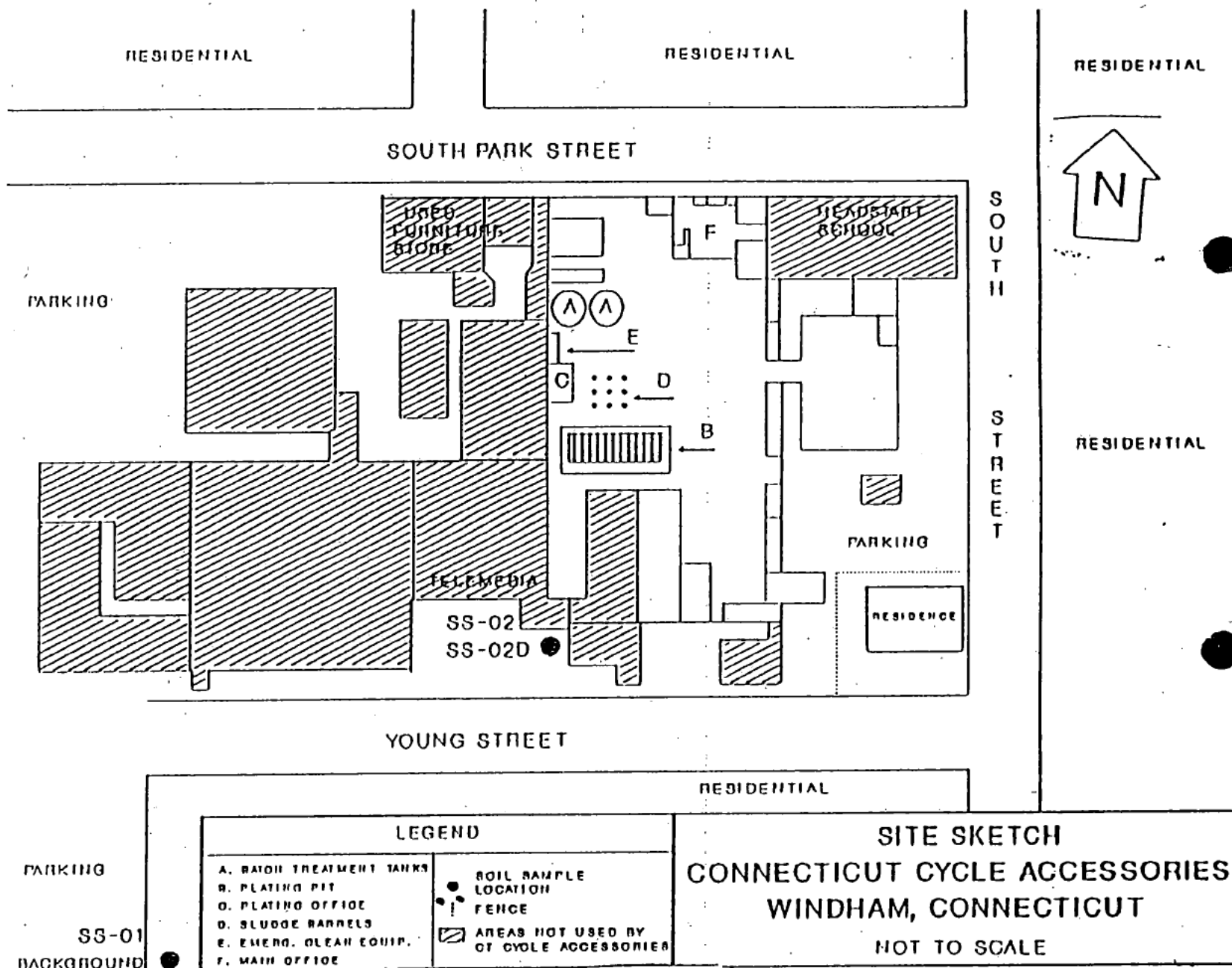
Polymer Coaters operated at the South Park Street location until May of 1987. It is unclear as to when this company began operations at this location or how long they were a tenant. Their operations are unknown, however, CT DEP files state that the company's processes involved using a Methylene Chloride and Acetone mixture. Files also indicate that the Methylene Chloride and Acetone was manifested off-site for disposal by Solvents Recovery Service of Southington, Connecticut (CERCLIS No. CTD009717604). (1)

All companies known to have conducted business out of this location have been listed as follows (present occupants listed in **bold print**): (1,6)

American Healthstyle	Berger Brothers
Camcar	Computer Supply
Conncraft	Connecticut Cycle Accessories
Electromotive	Ernie Eldridge
Furniture Fair	G.B.G.
Hartford Courant	Headstart
Keeper Corporation	M & D Machine
Multitech	Nassiff's
Nu-Tech	Polymer Coaters
Telemedia	United Abrasives
Willimantic Industries	

Of the companies previously located on-site, Connecticut Cycle Accessories/Conncraft (12/4/80, large quantity generator), Computer Supply (7/18/80, non-regulated/non-handler), and Polymer Coaters (3/21/83, large quantity generator), are the only RCRA Notifiers of hazardous waste activity. With the exception of Connecticut Cycle Accessories, none of the companies identified in the previous list are included in CERCLIS. None of the sites listed above are included on the "CT Inventory of Hazardous Waste Disposal Sites" at this time. (1,2)

Figure 2



There is little information on most of the products and processes performed by the companies which occupied the South Park Street location. Tylomata(a cable television company) and the Hartford Courant (a newspaper) use sections of the building as a warehouse. Camcar's product is related to distribution services. Berger Brothers is a company that markets janitorial supplies. (1,2,6)

G.B.G.'s process consists of the swaging of cable ends. Nassiff's performs screen printing at this location. Keeper Corporation assembles tie-downs for boats, etc. Nu-Tech is a water testing company. Furniture Fair distributes furniture from this location. There is no information on file regarding any of the other companies that utilized this site. (1,2)

Headstart is a daycare type program located in a section of the building which was not utilized by Connecticut Cycle Accessories. The program manages three groups of children per day, twenty children per group. There is also ten staff members in total. According to all available information, the daycare is not located in an area utilized for past operations involving hazardous wastes. (6)

On August 15, 1991, CT DEP conducted a sampling investigation at Connecticut Cycle Accessories, located on South Park Street in Willimantic, CT. The samples were analyzed for halogenated volatile organic compounds (EPA method 8010), aromatic volatile organic compounds (EPA method 8020), inorganic elements, and cyanide. No VOCs were reported present in the samples. The analyses for soil samples SS-02 and SS-02D indicate no concentrations present greater than, or equal to, three times background levels for metals or cyanide. (2,6)(Figure 2)

TABLE 1
SOIL SAMPLE RESULTS SUMMARY
CONNECTICUT CYCLE ACCESSORIES
Samples Collected by CT DEP on August 15, 1991

Sample Location/Rational	Contaminant	Concentration
SS-01(soil) Background location south of site and parking lot.	NA*	NA*
SS-02(soil) Small grass area southcentral side of building. One of the few open/unpaved areas on-site.	ND**	ND**
SS-02d(soil) Duplicate of location SS-02	ND**	ND**

*NA not applicable

**ND none detected

GROUND WATER

The landscape in the area of the site is characterized by rolling hills interrupted by several major valleys. The major hills in the area are bedrock controlled. The bedrock is close to the surface in many places and outcrops are common on some hilltops in the area. (4,6)

The surficial geology in the area of the site is of glacial origin. The surficial deposits in the area of the site are made up of ice-contact stratified drift. The ice-contact stratified drift consists of gravel, sand, silt, and clay deposited in transient glacial streams, lakes and ponds. The depth to groundwater is estimated to be between 10-30 ft below the ground surface based on well logs pertaining to surrounding areas. The groundwater flow direction in the area of the site is inferred to be in a northwesterly direction towards the Willimantic River. The site is located in an area that is not susceptible to seasonal, 100 year, or 500 year flooding. (4,6)

The Willimantic quadrangle is situated in the geologic setting identified as the eastern highlands of Connecticut. The bedrock geology in the area consists of Hornblende gneiss. This formation is made up of a combination of medium-grained black-hornblende gneiss, mafic amphibiotite, and biotite schist, and felsic biotite gneiss representing water-deposited basaltic to decitic volcanics. The depth to bedrock in the area of the site is unavailable. (4)

The groundwater underlying the site and in the immediate area of the site has a classification of GB, with areas of GB/GA and GB/GB/GC in the surrounding areas. (4)

Five community water companies supply the town of Willimantic with drinking water. The Willimantic Water Works supplies the town of Windham as well as the town of Mansfield. The Willimantic Water Works draws it's water entirely from the Willimantic Reservoir (distribution) and Naubesatuck Lake, aka Mansfield Hollow Dam (storage). There is no potential for activities at this site to impact the Willimantic Water Works supply. (4,5,6,9)

The pumping facility is located approximately one mile downstream of the Willimantic Reservoir and the Mansfield Hollow Dam and is located 2½ miles north of the site. This water supply does not lay along the surface water pathway from the site. (4,5,6,9)

Abby Manor Convalescent Home, Brick Top Apartments, Cedarcrest Apartments, and Willington Commons are the other community water companies located in Windham, Ct. (4)

The following summarizes public water supply sources located within the study area, and the estimated population utilizing groundwater supplied by private drinking water wells that are located within the study area. (4,5,6, 8,9)

**PUBLIC WATER SUPPLY SOURCES WITHIN A
4 MILES RADIUS (AND/OR 15 DOWNSTREAM MILES)
OF CONNECTICUT CYCLE ACCESSORIES**

<u>Distance/ Direction</u>	<u>Source Name</u>	<u>Location of Source</u>	<u>Population Served</u>
(b) (9)	Hosmer Mountain Bottling Company	Willimantic	2,000 case/wk, 275 oz/case 1 case/avg. family
	Brick Top Apartments	Windham	168
	Village Hill Apartments	Lebanon	36

(b) (9)

Cedarcrest Apartments	Windham	48
Plains Road Apartments	Windham	312
Abby Manor Convalescent Home	Windham	135
Mountain Road Supply	Mansfield	72
Colonial Drive $\frac{1}{4}$	Columbia	30

$\frac{1}{4}$ Water Supply(s) that are within the same sub-regional drainage basin as the site.

PRIVATE WELL USERS WITHIN A FOUR RADIUS OF CONNECTICUT CYCLE ACCESSORIES

Populations within radial distances were derived using United States Geological Survey(USGS) Topographic Maps, United States Census Data, 1990(populations per household and/or land area), and by information obtained from local town offices and municipal water suppliers serving the study area.

<u>Radial Distance From Connecticut Cycle Accessories (miles)</u>	<u>Approximate Population Served by Private Wells</u>
0.00 - 0.25	0
0.25 - 0.50	0
0.50 - 1.00	47
1.00 - 2.00	3,654
2.00 - 3.00	6,353
3.00 - 4.00	8,611

No groundwater samples were collected during the July, 1994 site investigation. The nearest public water supply well is the Hosmer Mountain Bottling Company, which is located approximately (b) (9) of the site. The Hosmer Mountain Bottling Co. utilizes an on-site well for their soft drink bottling company. The well is a 180 ft. bedrock well, and the company uses 5,000 - 9,000 gal/day. The company distributes their soft drinks to the public, thus deeming their water supply a "public" water supply. The nearest private wells are located approximately (b) (9) of the site in the towns of Lebanon and Windham. The site and surrounding area obtain water from the Willimantic Water Works and utilize a municipal sewer system. There are no wellhead protection areas within the study area. (4,5,6,8)

SURFACE WATER

The site is located in the Shetucket Regional Basin. The Shetucket River Basin is approximately 507 square miles in area lying within the Thames River Major Drainage Basin of Connecticut. The Willimantic River passes the site approximately 1/4 mile to the north and flows at an average rate of 216 cubic feet per second(cfs). The site is located in an area that is not susceptible to seasonal, 100 year, or 500 year flooding. The Willimantic River has a Connecticut Surface Water Quality

Classification of Bc at this point. The Willimantic River converges with the Natchaug River approximately 3/4 mile N/W of the site. The Natchaug River has a Connecticut Surface Water Quality Classification of B/A at this point. (4,6)(Figures 3 and 4)

The Shetucket River is formed at the confluence of the Willimantic and the Natchaug Rivers (3/4 mile downstream of site). The Shetucket River flows approximately 15 miles where it is joined by the Quinnebaug River. The Shetucket River continues approximately 4 miles from this point to become the Thames River. (4,6)

The Shetucket River's surface water quality changes from B_{bc}, 3 1/2 miles downstream of the site, to B_c, 5 1/2 miles down stream of the site. The Quinnebaug River has a surface water quality classification B_c where it meets the Shetucket River (15 miles downstream of site). The Thames River has a Connecticut Surface Water Quality Classification of SC/SB at it's origin. (4,6)

Connecticut Cycle Accessories was sold to Conncraft in February of 1986. The NPDES permit and sewage discharge permits were transferred in the sale, as their processes were similar to Connecticut Cycle Accessories'. Conncraft continued the discharge of rinse waters to the Willimantic River under the NPDES permit (NPDES Permit No. CT0023086). There is no information pertaining to whether there were any other types of discharges, other than sanitary, directed to the other(sewage) discharge. There has been only one minor violation logged against Connecticut Cycle Accessories for NPDES violations. The violation pertains to levels of iron and nickel present in the discharge not within the permit parameters. Subsequent correspondence state that the situation was corrected. (1,2)

On August 15, 1991, CT DEP conducted a sampling investigation at Connecticut Cycle Accessories, located on South Park Street in Willimantic, CT. As part of that project, a total of nine (9) samples were collected (which included a duplicate soil sample and a background soil sample) from two (2) locations. A sample summary list is found in Table 1 and the location of each sampling station is found in Figure III. Background sample location for the project is identified as SS-01.

The sample which was taken at the SS-02 and SS-02D locations yielded no concentrations above background level. The analyses for soil samples SS-02 and SS-02D indicate no concentrations present greater than, or equal to, three times background levels for volatile organic compounds, metals or cyanide.

Source sampling was not performed as part of the SIP investigation. Sufficient data from previous source sampling events was available for the purposes of this investigation.

There have been no known air samples taken in the past which would correlate to the site other than the air monitoring performed on-site in 1991 by CT DEP during the Screening Site Inspection investigation. The air monitoring was performed from a health and safety standpoint and was not meant or used for qualitative contamination identification purposes. Air sampling for the purpose of specific contamination identification was not performed as part of the CT DEP, 1991 sampling objective. Instrumentation used during the, 1991 sampling trip included a Photovac, Inc. Micro Tip (HL-200 photoionization detector / PID) with a 10.6 eV lamp and an Industrial Scientific Inc. Combustible Gas Indicator/Oxygen Meter (CGI/O₂ MX-251). No readings were recorded above from background levels. No violations logged against Connecticut Cycle Accessories pertaining to air emissions. (1,2)

CONNECTICUT CYCLE ACCESSORIES
WILLIMANTIC, CONNECTICUT

MAP LEGEND

- = SEDIMENT SAMPLE
▲ = SURFACE WATER SAMPLE

SURFACE WATER PATHWAY
SURFACE WATER/SEDIMENT
SAMPLE LOCATIONS

Fiaure 3

Samples of surface water and river sediment were collected as part of the 1994 CT DEP Site Investigation Prioritization(SIP) investigation. Samples were collected from locations up stream and downstream of the point where the storm sewer system(located along the perimeter of the site) discharges into the Willimantic River. Surface water runoff originating at the site would enter this storm sewer system and ultimately enter the Willimantic River at a point approximately $\frac{3}{4}$ of a mile northeast of the site. This location would be considered to be the Probable Point of Entry(PPE), however, there is no evidence of a release of a hazardous substance via this pathway. Companies at this site have utilized NPDES permits for surface water discharges. Waste waters originating at the site were discharged to the aforementioned storm sewer system and discharge into the Willimantic River at the aforementioned PPE location. ~~These discharges~~ There are no NPDES permit violations on record for any of the companies at this location(past or present). (1,2,6)(Figure3)

The samples were analyzed for volatile organic compounds (EPA methods 8010-8020), inorganic elements, cyanide, and physical/chemical parameters(surface water only). The samples were labeled and sealed with "chain of custody" tape. The samples were stored on ice until delivered to the analytical laboratory. Any and all other forms of preservatives required for the samples were provided by the analytical lab. (6)

Sediment samples were collected along the bank of the Willimantic River. The sediment was brown-lightbrown in color, fine-grained and moist, with cobbles dispersed throughout the material. The upstream samples were collected at a location above a waterfall along the Willimantic River approximately 150-200 ft upstream of the storm sewer discharge(PPE). Due to the waterfall, this sample location insures a characteristic background sample and/or possible attribution. The downstream samples were collected at a location below the aforementioned waterfall along the Willimantic River approximately 150-200 ft downstream of the storm sewer discharge(PPE). Several VOCs were present in the background sediment sample. Acetone was detected in all sediment samples and methyl ethyl ketone was present in the background sample and one of the downstream samples. Acetone and methyl ethyl ketone both occur as natural products of biodegradation. No metals were detected in the surface water samples at levels $\geq 3 \times$'s the background sample. No cyanide was detected in any of the samples. (6)

TABLE 2
SURFACE WATER/SEDIMENT SAMPLE RESULTS SUMMARY
CONNECTICUT CYCLE ACCESSORIES
Samples Collected by CT DEP on August 4, 1994

Sample Location/Rational	Contaminant	Concentration
SW-01(surface water) Point upstream of storm sewer discharge.	Metals/Cyanide NA* VOCs	NA*
SW-02(surface water) Point downstream of storm sewer discharge.	Metals/Cyanide none $\geq 3 \times$'s bkgnd VOCs ND**	ND**



SURFACE WATER PATHWAY

Figure 4

SW-02D(surface water) Duplicate of location SW-02.	Metals/Cyanide none $\geq 3 \times$'s bkgnd VOCs ND**	ND**
SD-01(sediment) Point upstream of storm sewer discharge .	Metals/Cyanide NA VOCs Acetone Methyl Ethyl Ketone Cis-1,2-Dichloroethylene Chloroform Toluene Tetrachloroethylene	 1,200. $\mu\text{g/l}$ 110. $\mu\text{g/l}$ 3.8 $\mu\text{g/l}$ 2.9 $\mu\text{g/l}$ 16. $\mu\text{g/l}$ 11. $\mu\text{g/l}$
SD-02(sediment) Point downstream of storm sewer discharge.	Metals/Cyanide none $\geq 3 \times$'s bkgnd VOCs Acetone	 920. $\mu\text{g/l}$
SD-02D(sediment) Duplicate location of location SD-02.	Metals/Cyanide none $\geq 3 \times$'s bkgnd VOCs Acetone Methyl Ethyl Ketone	 1,400 $\mu\text{g/l}$ 95. $\mu\text{g/l}$

*Not applicable

**None detected

According to the CT Natural Diversity Database, there are 18 occurrences of Federally Endangered and Threatened Species or species proposed for State Endangered, Threatened or Special Concern within a four mile radius of the site. The Database also provides information concerning protected land features such as woodlands, tidal marsh/mud flats, and dunes, which are commonly found along surface water and coastal areas. The occurrences have been listed in the "AIR" section of this report. (4)

SOIL EXPOSURE

The number of workers/people present throughout the entire building presently is estimated at > 100 during a typical work day. The property of the nearest residence abuts the 90 South Park Street property. The residence itself is located adjacent to the southeast extent of the site property at the intersection of Young and Park Street.

The nearest school or day care to the site is located on-site(headstart). The Headstart program is not located in an area previously occupied by Connecticut Cycle Accessories. The Headstart programs currently has an enrollment of approximately 20 students per group, three groups per day, and approximately ten faculty members. There were no areas of observed contamination noted during the

1991 Screening Site Inspection investigation. None of the present companies are operating in areas of known releases/contamination. There is an estimated population of 8,365 residents living within 1 mile of the site. (4,5,6,8)

On August 15, 1991, CT DEP conducted a sampling investigation at Connecticut Cycle Accessories, located on South Park Street in Willimantic, CT. As part of that project, a total of nine (9) samples were collected (which included a duplicate soil sample and a background soil sample) from two (2) locations. A sample summary list is found in Table 1 and the location of each sampling station is found in Figure III. Background sample location for the project is identified as SS-01. (2,6)(Figure 2)

The samples were analyzed for halogenated volatile organic compounds (EPA method 8010), aromatic volatile organic compounds (EPA method 8020), inorganic elements, and cyanide. A stainless steel auger was used to dig the bore holes for all soil samples. The samples were collected from the excavated material (cores) using wooden tongue blades. All soil samples were grab samples. When possible, the entire sample was collected from the same auger core. (2,6)

All samples were labeled and sealed with "chain of custody" tape. The samples were immediately stored on ice and delivered to the analytical laboratory the same day of collection. No other forms of preservatives were necessary. (2,6)

A Photovac Microtip organic vapor meter photoionization detector (PID), a Foxboro flame ionization detector (FID) and an Industrial Scientific, Inc. Model MX-241 combination combustible gas indicator/oxygen (CGI/O₂) meter were used to monitor the activities at all on-site sampling stations. The PID contained a 10.6 eV lamp and was calibrated to 250 parts per million (ppm) of isobutylene at 1 atmosphere pressure. No readings were reported at any of the sampling locations. (2,6)

The sample which was taken at the SS-02 and SS-02D locations yielded no concentrations above background level. The analyses for soil samples SS-02 and SS-02D indicate no concentrations present greater than, or equal to, three times background levels for volatile organic compounds, metals or cyanide. (2,6)(Figure 2)

Source sampling was not performed as part of the SIP investigation. Sufficient data from previous source sampling events was available for the purposes of this investigation. (6)

The 1994 Reconnaissance of Connecticut Cycle Accessories supports the lack of a potential soil exposure risk. The site remains surrounded by paved roads and parking areas with minor grass cover. (5)

AIR

The property of the nearest residence abuts the 90 South Park Street property at the intersection of Park and Young Streets(see Figure 2) . The population within four miles of the site is approximately 37,548. (4,5,6,8)

There have been no known air samples taken in the past which would correlate to the site other than the air monitoring performed on-site in 1991 by CT DEP during the Screening Site Inspection investigation. The air monitoring was performed from a health and safety standpoint and was not

meant or used for qualitative contamination identification purposes. Air sampling for the purpose of specific contamination identification was not performed as part of the CT DEP, 1991 sampling objective. Air monitoring instrumentation used during the, 1991 sampling trip included a Photovac, Inc. Micro Tip (HL-200 photoionization detector / PID) with a 10.6 eV lamp and an Industrial Scientific Inc. Combustible Gas Indicator/Oxygen Meter (CGI/O₂ MX-251). No readings were recorded above from background levels. (2,3,6)

There are no wetland areas present on-site. There are no wetlands mapped (USGS Topographic) the 0-½ mile radial rings surrounding the site. (4,5,6,8)

According to the CT Natural Diversity Database, there are 18 occurrences of Federally Endangered and Threatened Species and/or species proposed for State Endangered, Threatened or Special Concern within a four mile radius of the site. The Database also provides information concerning protected land features such as wetlands, tidal marsh/mud flats, and dunes, which are commonly found along surface water and coastal areas. The occurrences have been listed below: (4)

**-NATURAL DIVERSITY-
LISTED SPECIES OCCURRING WITHIN A
FOUR MILE RADIUS OF CONNECTICUT CYCLE ACCESSORIES**

There were no occurrences of Federally Endangered and Threatened Species or species proposed for State Endangered, Threatened or Special Concern within a one mile radial ring from the site.

1 - 2 Mile

COMMON NAME	SCIENTIFIC NAME	STATE/FEDERAL STATUS*
Bog Copper	<i>Lycaena epixanthe</i>	T
Poor Fen		

2 - 3 Mile

COMMON NAME	SCIENTIFIC NAME	STATE/FEDERAL STATUS*
Dillen-Tick Trefoil	<i>Desmodium glabellum</i>	SC
Trailing-Tick Trefoil	<i>Desmodium humifusum</i>	E C2
Dyr Subacidic Forest		
Southern Bog Lemming	<i>Synaptomys cooperi</i>	SC
Virginia Copperleaf	<i>Acalypha virginica</i>	SC

3 - 4 Mile

COMMON NAME(†)	SCIENTIFIC NAME	STATE/FEDERAL STATUS*
Disc Gyro	<i>Gyraulus circumstraitus</i>	SC
Indian Paintbrush	<i>Castilleja coccinea</i>	E
Eastern Hognose Snake(2)	<i>Heterodon platirhinos</i>	SC
Wood Turtle	<i>Clemmys insculpta</i>	SC

Black Spruce	<i>Picea mariana</i>	SC
Horned Lark	<i>Eremophila alpestris</i>	
Savannah Sparrow	<i>Passerculus sandwichensis</i>	T
Red Squirrel	<i>Tamiasciurus hudsonicus</i>	SC
Grasshopper Sparrow	<i>Ammodramus savannarum</i>	E

Acidic Atlantic White Cedar Basin

(#) Total number of occurrences (if greater than one) within distance ring.
 STATE/FEDERAL STATUS (FIRST ENTRY) = STATE STATUS

SC = State Special Concern
 E = State Endangered
 T = State Threatened

STATE/FEDERAL STATUS (SECOND ENTRY) = FEDERAL STATUS

C2 = Candidate, Category N°2

SUMMARY AND CONCLUSION

Connecticut Cycle Accessories is located at 90 South Park Street in the town of Windham (Willimantic), Connecticut. The site was entered into the Federal Superfund (CERCLA) Information System (CERCLIS) in 1980 as a result of an EPA 103(c) questionnaire submitted by the company which suggests the existence of a 50,000 ft² "facility" used for hazardous waste. The notification also states that no releases occurred at the site. According to Mr. Turkington, the owner of the site and owner of Connecticut Cycle Accessories, the "50,000 ft² facility" reported in the notification describes the total area of the building in which Connecticut Cycle Accessories was housed. The reason for this conflicting information has not been definitely established. It is entirely possible that the notification filed by the owner was a mistake.

Connecticut Cycle Accessories was a company that manufactured motorcycle parts. The processes included nickel and chrome plating, machine tooling and welding. Connecticut Cycle Accessories was in operation at this site from 1976 until the corporation was dissolved in 1986. Town records state that structures related to Willimantic Industries were in existence at this site since 1890. It is believed that Willimantic Industries was the first company to occupy the 4.5 acre site. A company named Electromotive, purchased the site on 7/20/55. Willimantic Industries and Electromotive shared ownership of the parcel for a short period of time. The present owners, Mark and Philip Turkington have owned this property since 6/29/76, when it was purchased from Electromotive. The Turkingtons also own the Connecticut Cycle Accessories parcel.

A Notice of Violation (NOV-040) dated 11/9/82 was issued to the company citing deficiencies in inspection logs, contingency plans, training records, container management, short term storage, and accumulation time. Based on a subsequent inspection of the facility, the company was found in full compliance with the NOV.

Connecticut Cycle Accessories (RCRA ID No. CTD057236465) was sold to Conncraft in February of 1986. The RCRA identification number, the NPDES permit, and sewage discharge permits were all transferred in the sale, as their processes were similar to Connecticut Cycle Accessories'. A Negative Declaration (Form I) was filed by Mark Turkington pursuant to Connecticut's "Transfer of Establishment Act". The Form I submittal by Mr. Turkington notified CT DEP that no release had occurred at the site.

Connecticut Cycle Accessories was a company that manufactured motorcycle parts. The processes included nickel and chrome plating, machine tooling and welding. The plating line consisted of one semi-bright nickel, one bright nickel, and one chrome plating tank. Cleaning line consisted of one soaking tank, one descale tank, and one electric cleaning tank. Other process tanks included a hydrochloric acid tank, four rinse water tanks, and a nitric acid tank. No cyanide was used in their processes. The plating line was constructed of cement and was recessed into the first floor, inside of the building used by Connecticut Cycle Accessories. No floor drains were observed by CT DEP staff in the wood floors of the Connecticut Cycle Accessories building during this investigation.

Waste generated by the company included rinse water (1,000 gal/day) which was generated from the rinsing of parts after they were cleaned with hydrochloric and sulfuric acids, and industrial caustic cleaners in preparation for plating. The rinse water was stored and treated in two 5,000 gallon tanks. Sulfur dioxide was added to reduce hexavalent chromium compounds, then sodium hydroxide was added to raise the pH.

The waste water was then filtered through a Serfilco filter unit and mixed with a poly flocculent to remove any sludge. The filtrate was then discharged to the Willimantic River along with non-contact cooling water which was generated during the welding processes (NPDES permit No. CT0023086, Sewage discharge permit No. DEP/WPC-163-036). Metal hydroxide (from the filters) and spent filter material were stored in drums inside the building and periodically manifested off-site for proper disposal by Envirote Corporation of Thomaston, Connecticut.

During the cleanup of the building by the Turkingtons in 1986, prior to Conncraft's occupancy, 23 drums of cyanide and 3 drums of cadmium were discovered in storage. These chemicals were used by Electromotive, a company that occupied the building prior to Connecticut Cycle Accessories, however, these chemicals were not used by Electromotive at this location. The processes in which Electromotive used cyanide and cadmium were performed at the Electromotive plant #2, located on Bridge Street, Willimantic. It is likely the drums found during the clean up of Connecticut Cycle Accessories had been left there by Electromotive when the company went out of business at both locations.

All of the wastes found at the site during the clean up were characterized and manifested off-site for proper disposal by E.W.R. of Waterbury, Connecticut (CERCLIS No. CTD072138969), and Envirote Corporation of Thomaston, Connecticut (CERCLIS No. CTD093616613).

Hazardous wastes/substances related to other companies located in the building (past and present) include: nitric acid, chromium, nickel sulfate, nickel chloride, sulfuric acid, caustic cleaner, hydrochloric acid, metal hydroxide sludge, and filter paper containing metal hydroxide sludge, methylene chloride, and acetone.

Of the companies previously located on-site, Connecticut Cycle Accessories/Conncraft (12/4/80, large quantity generator), Computer Supply (7/18/80, non-regulated/non-handler), and Polymer Coaters (3/21/83, large quantity generator), are the only RCRA Notifiers of hazardous waste activity. None of the companies identified in the previous list are included in CERCLIS. None of the sites listed above are included on the "CT Inventory of Hazardous Waste Disposal Sites" at this time.

Headstart is a daycare type program located in a section of the building which was not utilized by Connecticut Cycle Accessories. The program manages three groups of children per day, twenty children per group. There is also ten staff members in total. According to all available information, the daycare is not located in an area utilized for past operations involving hazardous wastes.

No groundwater samples were collected during the July, 1994 site investigation. The nearest public water supply well is the Hosmer Mountain Bottling Company, which is located approximately (b) (9) site. The Hosmer Mountain Bottling Co. utilizes an on-site well for their soft drink bottling company. The well is a 180 ft. bedrock well, and the company uses 5,000 - 9,000 gal/day. The company distributes their soft

drinks to the public, thus deeming their water supply a "public" water supply. The nearest private wells are located approximately (b) (9) of the site in the towns of Lebanon and Windham. The site and surrounding area obtain water from the Willimantic Water Works and utilize a municipal sewer system. There are no wellhead protection areas within the study area.

Samples of surface water and river sediment were collected as part of the 1994 CT DEP Site Investigation Prioritization(SIP) investigation. Samples were collected from locations up stream and downstream of the point where the storm sewer system(located along the perimeter of the site) discharges into the Willimantic River. Surface water runoff originating at the site would enter this storm sewer system and ultimately enter the Willimantic River at a point approximately $\frac{3}{4}$ of a mile northeast of the site. This location would be considered to be the Probable Point of Entry(PPE), however, there is no evidence of a release of a hazardous substance via this pathway. Companies at this site have utilized NPDES permits for surface water discharges.

Sediment samples were collected along the bank of the Willimantic River. The sediment was brown-lightbrown in color, fine-grained and moist, with cobbles dispersed throughout the material. The upstream samples were collected at a location above a waterfall along the Willimantic River approximately 150-200 ft upstream of the storm sewer discharge(PPE). Due to the waterfall, this sample location insures a characteristic background sample and/or possible attribution. The downstream samples were collected at a location below the aforementioned waterfall along the Willimantic River approximately 150-200 ft downstream of the storm sewer discharge(PPE). Several VOCs were present in the background sediment sample. Acetone was detected in all sediment samples and methyl ethyl ketone was present in the background sample and one of the downstream samples. Acetone and methyl ethyl ketone both occur as natural products of biodegradation. No metals were detected in the surface water samples at levels $\geq 3 \times$'s the background sample. No cyanide was detected in any of the samples.

REFERENCES

1. CT DEP Waste Management Bureau, Waste Engineering and Enforcement files
 - A. Windham town file
 - B. Connecticut Cycle Accessories
 - C. Conncraft
 - D. Electromotive
 - E. Polymer Coaters
 - F. Computer Supply
2. CT DEP Water Management Bureau files
 - A. Windham town files
 - B. Connecticut Cycle Accessories
 - C. Conncraft
 - D. Windham P-5 File
 - E. Site Remediation and Closure files
 - i. Windham town file
 - ii. Connecticut Cycle Accessories
3. CT DEP Natural Resource Center
 - A. Atlas of Public Water Supply Source and Drainage Basins of Connecticut, June, 1982.
 - B. Directory of Community Water Supplies in Connecticut, Howard W. Sternberg, August, 1986.
 - C. Natural Drainage Basins in Connecticut, 1981, Geological and Natural History Survey (scale 1:125,000).
 - D. Natural Diversity Data Base maps and files.
 - E. Water Quality Standards, CT DEP Water Compliance Unit, February, 1987.
 - F. Topographic map(s)
 - i. Willimantic, CT., Quadrangle, USGS, 1984.

- ii. Columbia, CT., Quadrangle, USGS, 1953, photorevised 1984.
 - iii. Coventry, CT., Quadrangle, USGS, 1983.
 - iv. Spring Hill, CT., Quadrangle, USGS, 1983.
 - G. Surficial Geologic map, Willimantic Quadrangle, CT., by Sherman M. Clebnik USGS, 1969-71, 1980.
 - I. Bedrock Geologic map of the Willimantic Quadrangle, CT., by George L. Snyder, USGS, 1964.
 - J. Flood Insurance Rate Map of Willimantic, CT., Federal Emergency Management Agency, 1982.
 - K. CT DEP CERCLIS printout.
 - L. Hawley's Condensed Chemical Dictionary, 11th Edition, Sax & Lewis, 1987.
4. Willimantic Town Hall
- A. Tax Assessor's Records.
 - B. Town Clerk's Records.
 - C. Town Sanitarian
5. Neville, Thomas R., CT DEP, RE: Willimantic, Connecticut.
6. Summary of State and Federal Drinking Water Standards and Guidelines, Chemical Communication Subcommittee, Federal-State Toxicology and Regulatory Alliance Committee, February, 1990.
7. 1990 Census of Population and Housing, Summary Population and Housing Characteristics. United States Department of Commerce, Bureau of the Census. 1990.
8. Willimantic Water Works, Willimantic, Connecticut



STATE OF CONNECTICUT
Dept. of Public Health and Administrative Services
Bureau of Laboratories
10 Clinton St.
P.O. Box 1689
Hartford, CT 06144
TELEPHONE: (203) 566-5063

ID.	ACCESSION NO.	ACCOUNT NO.	AGE	S	PAGE
SW 01	16100414	A00106	0		
INFORMATION					
MISC. WILLIMANTIC RIVER WILLIMANTIC					

DEP-SRD FED. PRE-REMEDIATION
79 ELM STREET

HARTFORD CT 06106

COLLECTED	RECEIVED	REPORTED
08/04/94 00:00	08/05/94 13:10	08/24/94 15:28

REPORT

FINAL REPORT

COMMENT

CHAIN OF CUSTODY

TEST(S)

RESULT(S)

HEADSPACE-FID/FID
EPA METHOD 624

SAMPLE OF:

NAME OF TREATMENT PLANT: MISC.

COLLECTED BY: T. NEVILLE

DATE SHIPPED: 08/05/94

COMPOSITE: NO
AUG 31 1994
WATER MANAGEMENT
PERMITTING & ENFORCEMENT
& REMEDIATION DIVISION

METHOD PERFORMED ON 8/19/94. NONE DETECTED.

LIST OF COMPONENTS WITH THEIR RESPECTIVE MDL'S FOR
METHOD EPA 624 PERFORMED AT DHS HYDROCARBON LABORATORIES

1,1-DICHLOROETHYLENE 2.2 UG/L

METHYLENE CHLORIDE 1.3 UG/L

1,1,2-DICHLOROETHYLENE 1.3 UG/L

1,1-DICHLOROETHANE 1.1 UG/L

1,2-DICHLOROETHYLENE 0.5 UG/L

CHLOROFORM 0.3 UG/L

1,1,1-TRICHLOROETHANE 0.5 UG/L

1,2-DICHLOROETHANE 0.5 UG/L

BENZENE 0.7 UG/L

TRICHLOROETHYLENE 0.3 UG/L

1,2-DICHLOROPROPANE 0.4 UG/L

BROMODICHLOROMETHANE 0.5 UG/L

TOLUENE 0.4 UG/L

1,1,2-TRICHLOROETHANE 0.4 UG/L

TETRACHLOROETHYLENE 0.4 UG/L

CHLORODIBROMOMETHANE 0.4 UG/L

1,2-DIBROMOETHANE 0.5 UG/L

ETHYLBENZENE 0.5 UG/L

M-XYLENE 0.5 UG/L

O-XYLENE 0.3 UG/L

CUMENE 0.5 UG/L

BROMOFORM 1.0 UG/L

1,1,2,2-TETRACHLOROETHANE 1.0 UG/L

N-PROPYLBENZENE 0.5 UG/L

1,3,5-TRIMETHYLBENZENE 0.4 UG/L

1,2,4-TRIMETHYLBENZENE 0.5 UG/L

P-DICHLOROBENZENE 0.3 UG/L

O-DICHLOROBENZENE 0.3 UG/L

1,2-DIBROMO-3-CHLOROPROPANE 0.7 UG/L

*** CONTINUED ***

8/25/94



STATE OF CONNECTICUT
Dept. of Public Health and Administrative Services
Bureau of Laboratories
10 Clinton St.
P.O. Box 1689
Hartford, CT 06144
TELEPHONE: (203) 566-5063

I.D.	ACCESSION NO.	ACCOUNT NO.	AGE	S	PAGE
SW-01	16100414	A00106	0		

INFORMATION

MISC.
WILLIMANTIC RIVER
WILLIMANTIC

DEP-SRD FED. PRE-REMEDIAL
79 E.M. STREET

HARTFORD CT 06106

COLLECTED	RECEIVED	REPORTED
08/04/94 00:00	08/05/94 13:10	08/24/94 15:28

REPORT

FINAL REPORT

COMMENT

CHAIN OF CUSTODY

TEST(S)

RESULT(S)

HEXACHLOROBUTADIENE 1.3 UG/L
NAPHTHALENE 0.2 UG/L
ACETONE 75 UG/L
METHYL TERTBUTYL ETHER 3.3 UG/L
METHYL ETHYL KETONE 45 UG/L
TETRAHYDROFURAN 103 UG/L
METHYL ISOBUTYL KETONE 70 UG/L
1,2,4-TRICHLOROBENZENE 0.5 UG/L

MDL'S WERE CALCULATED USING VOC CLEAN WATER AND
OBTAINED ON 03/91 AND 03/92. IT SHOULD BE NOTED
THAT MDL'S ARRIVED AT THIS WAY REPRESENT AN IDEAL
AND CAN BE HIGHER WITH MORE COMPLEX MATRICES AND
MSD VARIATIONS.



STATE OF CONNECTICUT
Dept. of Public Health and Administrative Services
Bureau of Laboratories
10 Clinton St.
P.O. Box 1689
Hartford, CT 06144
TELEPHONE: (203) 566-5063

I.D.	ACCESSION NO.	ACCOUNT NO.	AGE	S	PAGE
SW 02	16100415	A00106	0		
INFORMATION					
MISC. WILLIMANTIC RIVER WILLIMANTIC					

DEP-SRD FED. PRE-REMEDIAL
79 ELM STREET

HARTFORD, CT 06106

COLLECTED	RECEIVED	REPORTED
08/04/94 00:00	08/05/94 13:10	08/24/94 15:28

REPORT

FINAL REPORT

COMMENT

CHAIN OF CUSTODY

TEST(S)

RESULT(S)

★
HEADSPACE FID/FID
EPA METHOD 624

SAMPLE OF:

NAME OF TREATMENT PLANT: MISC.

AUG 31 1994

COLLECTED BY T. NEVILLE

DATE SHIPPED: 08/05/94 COMPOSITE: NO WATER MANAGEMENT
PERMITTING, ENFORCEMENT
& REMEDIATION DIVISION

METHOD PERFORMED ON 8/19/94. NONE DETECTED.

LIST OF COMPONENTS WITH THEIR RESPECTIVE MDL'S FOR HEALTH RISK
METHOD EPA 624 PERFORMED AT DHS HYDROCARBON LABORATORIES

1,1-DICHLOROETHYLENE 2.2 UG/L

METHYLENE CHLORIDE 1.3 UG/L

1,2-DICHLOROETHYLENE 1.3 UG/L

1,1-DICHLOROETHANE 1.1 UG/L

1,2-DICHLOROETHYLENE 0.5 UG/L

CHLOROFORM 0.3 UG/L

1,1,1-TRICHLOROETHANE 0.5 UG/L

1,2-DICHLOROETHANE 0.5 UG/L

BENZENE 0.7 UG/L

TRICHLOROETHYLENE 0.3 UG/L

1,2-DICHLOROPROPANE 0.4 UG/L

BROMODICHLOROMETHANE 0.5 UG/L

TOLUENE 0.4 UG/L

1,1,2-TRICHLOROETHANE 0.4 UG/L

TETRACHLOROETHYLENE 0.4 UG/L

CHLORODIBROMOMETHANE 0.4 UG/L

1,2-DIBROMOETHANE 0.5 UG/L

ETHYLBENZENE 0.5 UG/L

M-XYLENE 0.5 UG/L

O-XYLENE 0.3 UG/L

CUMENE 0.5 UG/L

BROMOFORM 1.3 UG/L

1,1,2,2-TETRACHLOROETHANE 1.3 UG/L

N-PROPYLBENZENE 0.5 UG/L

1,3,5-TRIMETHYLBENZENE 0.4 UG/L

1,2,4-TRIMETHYLBENZENE 0.5 UG/L

P-DICHLOROBENZENE 0.3 UG/L

O-DICHLOROBENZENE 0.3 UG/L

1,2-DIBROMO 3-CHLOROPROPANE 0.7 UG/L

*** CONTINUED ***

8/25/94



STATE OF CONNECTICUT
Dept. of Public Health and Administrative Services
Bureau of Laboratories
10 Clinton St.
P.O. Box 1689
Hartford, CT 06144
TELEPHONE: (203) 566-5063

I.D.	ACCESSION NO.	ACCOUNT NO.	AGE	S	PA
SW 02	16100415	A00106	0		
INFORMATION					
MISC. WILLIMANTIC RIVER WILLIMANTIC					

DEP-SRD FED. PRE REMEDIAL
79 ELM STREET

HARTFORD CT 06106

COLLECTED	RECEIVED	REPORTED
08/04/94 00:00	08/05/94 13:10	08/24/94 15:28

REPORT

FINAL REPORT

COMMENT

CHAIN OF CUSTODY

TEST(S)

RESULT(S)

HEXACHLOROBUTADIENE 1.3 UG/L
NAPHTHALENE 0.2 UG/L
ACETONE 75 UG/L
METHYL TERTBUTYL ETHER 3.3 UG/L
METHYL ETHYL KETONE 45 UG/L
TETRAHYDROFURAN 103 UG/L
METHYL ISOBUTYL KETONE 70 UG/L
1,2,4-TRICHLOROBEZENE 0.5 UG/L
MDL'S WERE CALCULATED USING VOC CLEAN WATER AND
OBTAINED ON 03/91 AND 03/92. IT SHOULD BE NOTED
THAT MDL'S ARRIVED AT THIS WAY REPRESENT AN IDEAL
AND CAN BE HIGHER WITH MORE COMPLEX MATRICES AND
MSD VARIATIONS.



STATE OF CONNECTICUT
Dept. of Public Health and Administrative Services
Bureau of Laboratories
10 Clinton St.
P.O. Box 1689
Hartford, CT 06144
TELEPHONE: (203) 566-5063

I.D.	ACCESSION NO.	ACCOUNT NO.	AGE	S	PAGE
SW-020	16100416	A00106	0		
INFORMATION					
MISC. WILLIMANTIC RIVER WILLIMANTIC					

DEP. SRD. FED. PRE-REMEDIATION
79 ELM STREET

HARTFORD CT 06106

COLLECTED	RECEIVED	REPORTED
08/04/94 00:00	08/05/94 13:10	08/24/94 15:32

REPORT

FINAL REPORT

COMMENT

CHAIN OF CUSTODY

TEST(S)

RESULT(S)

HEADSPACE FID/FID
EPA METHOD 624

SAMPLE OF:
NAME OF TREATMENT PLANT: MISC.
COLLECTED BY: T NEVILLE
DATE SHIPPED: 08/05/94 COMPOSITE: NO
RECEIVED
AUG 31 1994
WATER MANAGEMENT
PERMITTING, ENFORCEMENT
& REMEDIATION DIVISION

METHOD PERFORMED ON 8/19/94. NONE DETECTED.
LIST OF COMPONENTS WITH THEIR RESPECTIVE MDL'S FOR
METHOD EPA 624 PERFORMED AT DHS HYDROCARBON LABORATORIES
1,1-DICHLOROETHYLENE 2.2 UG/L
METHYLENE CHLORIDE 1.3 UG/L
1,2-DICHLOROETHYLENE 1.3 UG/L
1,1-DICHLOROETHANE 1.1 UG/L
1,2-DICHLOROETHYLENE 0.5 UG/L
CHLOROFORM 0.3 UG/L
1,1,1-TRICHLOROETHANE 0.5 UG/L
1,2-DICHLOROETHANE 0.5 UG/L
BENZENE 0.7 UG/L
TRICHLOROETHYLENE 0.3 UG/L
1,2-DICHLOROPROPANE 0.4 UG/L
BROMODICHLOROMETHANE 0.5 UG/L
TOLUENE 0.4 UG/L
1,1,2-TRICHLOROETHANE 0.4 UG/L
TETRACHLOROETHYLENE 0.4 UG/L
CHLORODIBROMOMETHANE 0.4 UG/L
1,2-DIBROMOETHANE 0.5 UG/L
ETHYLBENZENE 0.5 UG/L
M-XYLENE 0.5 UG/L
O-XYLENE 0.3 UG/L
CUMENE 0.5 UG/L
BROMOFORM 1.3 UG/L
1,1,2,2-TETRACHLOROETHANE 1.3 UG/L
N-PROPYLBENZENE 0.5 UG/L
1,3,5-TRIMETHYLBENZENE 0.4 UG/L
1,2,4-TRIMETHYLBENZENE 0.5 UG/L
P-DICHLOROBENZENE 0.3 UG/L
O-DICHLOROBENZENE 0.3 UG/L
1,2-DIBROMO 3-CHLOROPROPANE 0.7 UG/L

*** CONTINUED ***

ap
8/25/94



STATE OF CONNECTICUT
Dept. of Public Health and Administrative Services
Bureau of Laboratories
10 Clinton St.
P.O. Box 1689
Hartford, CT 06144
TELEPHONE: (203) 566-5063

ID.	ACCESSION NO.	ACCOUNT NO.	AGE	S	PAGE
SW 020	16100416	A00106	0		
INFORMATION					
MISC. WILLIMANTIC RIVER WILLIMANTIC					

DEP-SRD FED. PRE REMEDIAL
79 E. MI STREET

HARTFORD

CT 06106

COLLECTED	RECEIVED	REPORTED
08/04/94 00:00	08/05/94 13:10	08/24/94 15:32

REPORT

FINAL REPORT

COMMENT

CHAIN OF CUSTODY

TEST(S)

RESULT(S)

HEXACHLOROBUTADIENE	1.3 UG/L
NAPTHALENE	0.2 UG/L
ACETONE	75 UG/L
METHYL TERTBUTYL ETHER	3.3 UG/L
METHYL ETHYL KETONE	45 UG/L
TETRAHYDROFURAN	103 UG/L
METHYL ISOBUTYL KETONE	70 UG/L
1,2,4-TRICHLOROBNZENE	0.5 UG/L
MDL'S WERE CALCULATED USING VOC CLEAN WATER AND OBTAINED ON 03/91 AND 03/92. IT SHOULD BE NOTED THAT MDL'S ARRIVED AT THIS WAY REPRESENT AN IDEAL AND CAN BE HIGHER WITH MORE COMPLEX MATRICES AND MSD VARIATIONS.	



STATE OF CONNECTICUT
Dept. of Public Health and Administration Services
Bureau of Laboratories
10 Clinton St.
P.O. Box 1689
Hartford, CT 06144
TELEPHONE: (203) 566-5063

I.D.	ACQUISITION NO.	ACCOUNT NO.	AGE	S	PA
SW-01	22165293	A00106	0		
INFORMATION					
WISC. WILLIMANTIC RIVER WILLIMANTIC					

DEP SRD FED. PRE-REMEDIAL
79 ELM STREET

HARTFORD CT 06105

COLLECTED	RECEIVED	REPORTED
08/04/94 00:00	08/05/94 13:08	09/19/94 12:14

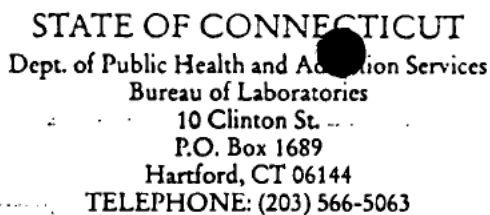
REPORT FINAL REPORT COMMENT CHAIN OF CUSTODY

TEST(S)

RESULT(S)

SAMPLE OF: NAME OF TREATMENT PLANT: WISC. COLLECTED BY T NEVILLE DATE SHIPPED: 08/05/94 COMPOSITE: NO	
TURBIDITY	4.1
PH	7.4
AMMONIA NITROGEN 201	<0.10
TKN 202	0.4
** UNITS: MG/L UNLESS NOTED	
ALKALINITY 602	18.
HARDNESS	36.
CHLORIDE 502	16.
COLOR	LT. YELLOW
NITRATE 203	0.4
NITRITE	<0.05
CYANIDE, COMPLEX 505	0.000
CADMIUM 107	0.00
CHROMIUM 109	0.00
COPPER 111	0.02
NICKEL 119	0.00
LEAD 114	0.00
ZINC 127	0.08
ARSENIC	0.00
BARIUM	0.07
SELENIUM	0.00
SILVER 122	0.00
MERCURY	0.00
IRON 113	2.2
MANGANESE	0.17
ALUMINUM	0.64
SODIUM, DIRECT	14.
POTASSIUM, DIRECT	2.4
CALCIUM	6.2
MAGNESIUM	2.2
ANTIMONY	0.00
COBALT	0.02
VANADIUM	<0.02

*** CONTINUED ***



I.D.	ACCESSION NO.	ACCOUNT NO.	AGE	S	PA
SW-01	22165293	A00106	0		
INFORMATION					
MISC.					
WILLIMANTIC RIVER					
WILLIMANTIC					
COLLECTED		RECEIVED		REPORTED	
08/04/94		08/05/94		09/19/94	
00:00		13:08		12:14	

DEP-SRD-FED. PRE-REMEDIAL
79 E. ML STREET

HARTFORD

CT 36106

[illegible]



STATE OF CONNECTICUT
Dept. of Public Health and Administrative Services
Bureau of Laboratories
10 Clinton St.
P.O. Box 1689
Hartford, CT 06144
TELEPHONE: (203) 566-5063

I.D.	ACCESSION NO.	ACCOUNT NO.	AGE	S	PAGE
SW-02	22165294	A00106	0		
INFORMATION					
MISC. WILLIMANTIC RIVER WILLIMANTIC					
COLLECTED		RECEIVED		REPORTED	
08/04/94 00:00		08/05/94 13:08		09/19/94 12:14	

DEP SRD FED. PRE-REMEDIAL
79 ELM STREET

HARTFORD

CT 06106

REPORT

FINAL REPORT

COMMENT

CHAIN OF CUSTODY

TEST(S)

RESULT(S)

SAMPLE OF:

NAME OF TREATMENT PLANT: MISC

COLLECTED BY T NEVILLE

DATE SHIPPED: 08/05/94 COMPOSITE: NO

TURBIDITY

4.7

PH

7.4

AMMONIA NITROGEN 201

<0.10

TKN 202

0.2

*** UNITS: MG/L UNLESS NOTED

ALKALINITY

602

14

HARDNESS

34

CHLORIDE

502

16

COLOR

LT. YELLOW

NITRATE

203

0.3

NITRITE

<0.05

CYANIDE, COMPLEX 505

0.000

CADMIUM 107

0.00

CHROMIUM 109

0.00

COPPER 111

0.02

NICKEL 119

0.00

LEAD 114

0.00

ZINC 127

0.06

ARSENIC

0.00

BARIUM

0.06

SELENIUM

0.00

SILVER 122

0.00

MERCURY

0.00

IRON 113

0.72

MANGANESE

0.07

ALUMINUM

0.18

SODIUM, DIRECT

12

POTASSIUM, DIRECT

2.1

CALCIUM

6.0

MAGNESIUM

2.0

ANTIMONY

0.00

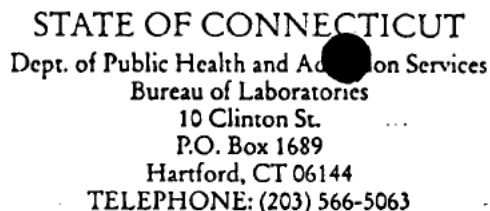
COBALT

0.01

VANADIUM

<0.02

*** CONTINUED ***



I.D.	ACCESSION NO.	ACCOUNT NO.	AGE	S	PA
SW-02	22165294	A00106	0		
INFORMATION					
MISC.					
WILLIMANTIC RIVER					
WILLIMANTIC					
COLLECTED		RECEIVED		REPORTED	
08/04/94		08/05/94		09/19/94	
00:00		13:08		12:14	

DEP SRD FED. PRE-REMEDIAL
79 ELM STREET

HARTFORD

CT 36106

[illegible]



STATE OF CONNECTICUT
Dept. of Public Health and Administration Services
Bureau of Laboratories
10 Clinton St.
P.O. Box 1689
Hartford, CT 06144
TELEPHONE: (203) 566-5063

I.D.	ACCESSION NO.	ACCOUNT NO.	AGE	S	PA
S4-029	22169295	A00106	0		
INFORMATION					
MISC. - WILLIMANTIC RIVER WILLIMANTIC					

DEP SRD FED. PRE-REMEDIAL
79 E.M. STREET

HARTFORD

CT 06105

COLLECTED	RECEIVED	REPORTED
08/04/94 00:00	08/05/94 13:38	09/19/94 12:14

REPORT

FINAL REPORT

COMMENT

DUP5294 CHAIN OF CUSTODY

TEST(S)

RESULT(S)

SAMPLE OF:

NAME OF TREATMENT PLANT: MISC.

COLLECTED BY T NEVILLE

DATE SHIPPED: 08/05/94 COMPOSITE: NO

**

TURBIDITY

2.0

PH

7.2

AMMONIA NITROGEN 201

<0.10

TKN 202

0.2

** UNITS: MG/L UNLESS NOTED

ALKALINITY 602

13.

HARDNESS 502

35.

CHLORIDE 502

17.

COLOR

LT. YELLOW

NITRATE 203

0.4

NITRITE

<0.05

CYANIDE, COMPLEX 505

0.000

CADMIUM 107

0.00

CHROMIUM 109

0.00

COPPER 111

0.02

NICKEL 119

0.00

LEAD 114

0.00

ZINC 127

0.07

ARSENIC

0.00

BARIUM

0.06

SELENIUM

0.00

SILVER 122

0.00

MERCURY

0.00

IRON 113

0.76

MANGANESE

0.06

ALUMINUM

0.18

SODIUM, DIRECT

12.

POTASSIUM, DIRECT

2.0

CALCIUM

6.2

MAGNESIUM

1.9

ANTIMONY

0.00

COBALT

0.01

VANADIUM

<0.02

*** CONTINUED ***



STATE OF CONNECTICUT
Dept. of Public Health and Administrative Services
Bureau of Laboratories
10 Clinton St.
P.O. Box 1689
Hartford, CT 06144
TELEPHONE: (203) 566-5063

I.D.	ACCESSION NO.	ACCOUNT NO.	AGE	S	PA
SW-020	22165295	A00106	0		
INFORMATION					
MISC. WILLIMANTIC RIVER WILLIMANTIC					
COLLECTED		RECEIVED		REPORTED	
08/04/94 00:00		08/05/94 13:08		09/19/94 12:14	

DEP-3RD FED. PRE-REMEDIAL
79 ELM STREET

HARTFORD CT 06105

REPORT

FINAL REPORT

COMMENT

D0P5294 CHAIN OF CUSTODY

TEST(S)

RESULT(S)

BERYLLIUM
THALLIUM

0.00
0.00



STATE OF CONNECTICUT
Dept. of Public Health and Administrative Services
Bureau of Laboratories
10 Clinton St.
P.O. Box 1689
Hartford, CT 06144
TELEPHONE: (203) 566-5063

I.D.	ACCESSION NO.	ACCOUNT NO.	AGE	S	PAGE
SD-C1	16100411	A00106	0		
INFORMATION					
MISC. WILLIMANTIC RIVER WILLIMANTIC					

DEP-SRD FED. PRE-REMEDIAL
79 ELM. STREET

HARTFORD CT 06106

COLLECTED	RECEIVED	REPORTED
08/04/94 00:00	08/05/94 12:58	08/24/94 12:37

REPORT FINAL REPORT COMMENT CHAIN OF CUSTODY

TEST(S)

RESULT(S)

HEADSPACE FID/FID

SAMPLE OF:
NAME OF TREATMENT PLANT: MISC.
COLLECTED BY: T. NEVILLE
DATE SHIPPED: / / COMPOSITE: NO
NO. & KIND OF BOTTLE: 1-BB

ANALYSIS PERFORMED ON 8/19/94 USING A DILUTION OF 1 TO 1.8 USING GC/MSD PUGS & TRAP TECHNOLOGY
THE FOLLOWING WERE NOTED:

* ACETONE	1,200.	US/KG
* METHYL ETHYL KETONE	110.	US/KG
CIS-1,2-DICHLOROETHYLENE	3.8	US/KG
CHLOROFORM	2.9	US/KG
TOLUENE	16.	US/KG
TETRACHLOROETHYLENE	11.	US/KG

* OFTEN FOUND AS A NORMAL CONSTITUENT OF SOIL

RECEIVED
AUG 31 1994
WATER MANAGEMENT
PERMITTING, ENFORCEMENT
& REMEDIATION DIVISION

8/25/94

STATE OF CONNECTICUT

Dept. of Public Health and Administrative Services
Bureau of Laboratories
10 Clinton St.
P.O. Box 1689
Hartford, CT 06144
TELEPHONE: (203) 566-5063

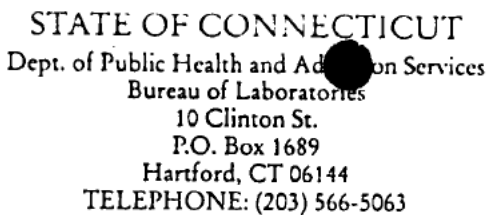
I.D.	ACCESSION NO.	ACCOUNT NO.	AGE	S	PAGE
SD-02	16100412	A00106	0		
INFORMATION					
SEDIM. WILLIMANTIC RIVER WILLIMANTIC					

DEP-SRD FED. PRE REMEDIAL
79 ELM STREET

HARTFORD CT 06106

COLLECTED	RECEIVED	REPORTED
08/04/94 00:00	08/05/94 12:58	08/24/94 12:42

[illegible]



DEP-SRD FED. PRE-REMEDIAL
79 ELM STREET

HARTFORD CT 06106

COLLECTED	RECEIVED	REPORTED
08/04/94 00:00	08/05/94 12:58	08/24/94 12:53

REPORT	FINAL REPORT	COMMENT	CHAIN OF CUSTODY
--------	--------------	---------	------------------

[illegible]

RM NO. OL-6A



STATE OF CONNECTICUT
Dept. of Public Health and Senior Services
Bureau of Laboratories
10 Clinton St.
P.O. Box 1689
Hartford, CT 06144
TELEPHONE: (203) 566-5063

I.D.	ACCESSION NO.	ACCOUNT NO.	AGE	S	PA
SD 01	2216290	A00106	0		
INFORMATION					
MISC. - WILLIMANTIC RIVER WILLIMANTIC					
COLLECTED 08/04/94 00:00		RECEIVED 08/05/94 12:50		REPORTED 09/19/94 12:52	

DEP-SRD FED. PRE-REMEDIAL
79 E.M. STREET

HARTFORD

CT 06106

REPORT

FINAL REPORT

COMMENT

CHAIN OF CUSTODY

TEST(S)

RESULT(S)

SAMPLE OF:

NAME OF TREATMENT PLANT: MISC.

COLLECTED BY T. NEVILLE

DATE SHIPPED: 7/1/94 COMPOSITE: NO

NO. & KIND OF BOTTLE: 1 B2

**

TOTAL SOLIDS 618

43%

** UNITS: MG/L UNLESS NOTED

METALS REPORTED AS MG/KG

CYANIDE, COMPLEX 505

0.000

CADMIUM 107

1.0

CHROMIUM 109

4.0

COPPER 111

15.

NICKEL 119

5.0

LEAD 114

49.

ZINC 127

33.

ARSENIC

1.1

BARIUM

22.

SELENIUM

0.39

SILVER 122

0.00

MERCURY

0.05

IRON 113

4700.

MANGANESE

62.

ALUMINUM

2200.

SODIUM, DIRECT

80.

POTASSIUM, DIRECT

350.

CALCIUM

190.

MAGNESIUM

860.

ANTIMONY

0.68

COBALT

4.0

VANADIUM

7.4

BERYLLIUM

0.24

THALLIUM

0.00



STATE OF CONNECTICUT
Dept. of Public Health and A. Services
Bureau of Laboratories
10 Clinton St.
P.O. Box 1689
Hartford, CT 06144
TELEPHONE: (203) 566-5063

I.D.	ACCESSION NO.	ACCOUNT NO.	AGE	S	P
SD-02	22180291	A00106	0		
INFORMATION					
MISC. WILLIMANTIC RIVER WILLIMANTIC					
COLLECTED		RECEIVED		REPORTED	
08/04/94 00:00		08/05/94 12:50		09/19/94 12:52	

DEP-SRD FED. PRE-REMEDIAL
79 ELM STREET

HARTFORD

CT 06106

REPORT	FINAL REPORT	COMMENT	CHAIN OF CUSTODY
--------	--------------	---------	------------------

TEST(S)	RESULT(S)
	SAMPLE OF: NAME OF TREATMENT PLANT: MISC. COLLECTED BY T. NEVILLE DATE SHIPPED: 8/1/94 COMPOSITE: NO NO. & KIND OF BOTTLE: 1 B3
*** TOTAL SOLIDS	618 79%
*** UNITS: MG/L UNLESS NOTED	
	METALS REPORTED AS MG/KG
CYANIDE, COMPLEX 505	0.000
CADMIUM 107	0.5
CHROMIUM 109	3.0
COPPER 111	7.0
NICKEL 119	5.5
LEAD 114	13.
ZINC 127	34.
ARSENIC	0.52
BARION	17.
SELENIUM	0.02
SILVER 122	0.00
MERCURY	0.02
IRON 113	5600.
MANGANESE	26.
ALUMINUM	2200.
SODIUM, DIRECT	60.
POTASSIUM, DIRECT	430.
CALCIUM	20.
MAGNESIUM	960.
ANTIMONY	0.10
COBALT	4.5
VANADIUM	5.8
BERYLLIUM	0.13
THALLIUM	0.00



STATE OF CONNECTICUT
Dept. of Public Health and Administrative Services
Bureau of Laboratories
10 Clinton St.
P.O. Box 1689
Hartford, CT 06144
TELEPHONE: (203) 566-5063

I.D.
SD-02D

ACCESSION NO.

221692

ACCOUNT NO.

A00106

AGE

0

S

PA

INFORMATION

MISC.

WILLIMANTIC RIVER

WILLIMANTIC

DEP SRD FED. PRE-REMEDIAL
79 ELM STREET

HARTFORD

CT 06105

COLLECTED

00:00

RECEIVED

12:50

REPORTED

12:14

REPORT

FINAL REPORT

COMMENT

6291DJP CHAIN OF CUSTODY

TEST(S)

RESULT(S)

SAMPLE OF:

NAME OF TREATMENT PLANT: MISC.

COLLECTED BY: T. NEVILLE

DATE SHIPPED: 1/1/83 COMPOSITE: NO
NO. & KIND OF BOTTLE: 1 B3

★ ★

TOTAL SOLIDS 618 69%

★ ★ UNITS: MG/L UNLESS NOTED

METALS REPORTED AS MG/KG

CYANIDE, COMPLEX 505 0.000

CADMIUM 107 0.5

CHROMIUM 109 4.0

COPPER 111 5.0

NICKEL 119 4.5

LEAD 114 14.

ZINC 127 21.

ARSENIC 0.39

BARIUM 15.

SELENIUM 0.05

SILVER 122 0.00

MERCURY 0.01

IRON 113 4000.

MANGANESE 81.

ALUMINUM 1800.

SODIUM, DIRECT 56.

POTASSIUM, DIRECT 380.

CALCIUM 25.

MAGNESIUM 800.

ANTIMONY 0.01

COBALT 3.0

VANADIUM 6.1

BERYLLIUM 0.09

THALLIUM 0.00

ATTACHMENT A

**CONNECTICUT CYCLE ACCESSORIES,
WILLIMANTIC, CONNECTICUT**

NPDES PERMITS/RELATED CORRESPONDENCE



STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION



NPDES PERMIT

-1984

89

Willimantic
River

Connecticut Cycle Accessories, Inc.
South Park Street
Willimantic, CT 06226

Attention: Mr. Mark Turkington

Re: DEP/WPC-163-036
Town of Windham
Willimantic River Watershed

Gentlemen:

This permit and order are authorized to be issued by Chapter 446k, Connecticut General Statutes and Section 402 (b), Federal Water Pollution Control Act, as amended, 33 USC 1251, et. seq., and pursuant to an approval dated September 26, 1973, by the Administrator of the United States Environmental Protection Agency for the State of Connecticut to administer an N.P.D.E.S. permit program.

Your reapplication, filed with the Connecticut Department of Environmental Protection on April 30, 1984, has been reviewed by the Connecticut Department of Environmental Protection.

The Commissioner has determined that compliance with the terms and conditions of this permit will insure that the applicable effluent standards or limitations issued or approved under Sections 301 (b)(2)(c) and (D), 304 (b)(4), and 307 (a) (2) of the Act that the treatment facilities constitute best available technology economically achievable are being attained.

The Commissioner of Environmental Protection (hereinafter "the Commissioner") hereby finds that Connecticut Cycle Accessories, Inc. is maintaining a facility described in the above-referenced application which no longer insures or adequately protects against pollution of the waters of the state under the provisions of Chapter 446k of the Connecticut General Statutes.

The Commissioner, acting under Sections 22a-431 and 22a-430 hereby orders Connecticut Cycle Accessories, Inc. to take such action as is necessary to:

- 1) Insure that all wastewaters described in the above referenced application are collected, treated and discharged in accordance with the plans and specifications approved by the Commissioner on April 27, 1978 together with associated engineering documents, correspondence and other data submitted to comply or obtained to verify compliance with the permit issued by the Commissioner on June 2, 1978 and/or discharged in accordance with this order.
- 2) Insure that all discharges described in this order shall not exceed and shall otherwise conform to the specific terms and general conditions specified herein.

Phone:

165 Capitol Avenue • Hartford, Connecticut 06106

A) Discharge Serial No. 001

Description - Treated metal finishing wastewater (code 1 01 035 Y)

Receiving Stream - Willimantic River (basin code 3100)

Present/Future Water Quality Classification - Bc/Bc

Average Daily Flow - 1,000 gallons per day

<u>Parameter</u>	<u>Code</u>	<u>Average</u>	<u>Maximum</u>
		<u>Monthly Concentration</u>	<u>Daily Concentration</u>
Chromium, Hexavalent	108	0.1 mg/l	0.5 mg/l
Chromium, Total	109	1.0 mg/l	3.0 mg/l
Iron	113	3.0 mg/l	5.0 mg/l
Nickel	119	1.0 mg/l	3.0 mg/l
Total Suspended Solids	614	20.0 mg/l	30.0 mg/l
Total Toxic Organics	628	0.5 mg/l	1.0 mg/l

- 1) The pH of the discharge shall not be less than 6.0 or greater than 9.0. (code 609)
- 2) The discharge shall not contain a visible oil sheen, foam or floating solids.
- 3) The discharge shall not cause visible discoloration of the receiving waters. Beyond any zone of influence as provided in the "Connecticut Water Quality Standards & Criteria" adopted September 9, 1980.
- 4) The temperature of the discharge shall not increase the temperature of the receiving stream above 85 degrees F or raise the normal temperature of the receiving stream more than 4 degrees.
- 5) The maximum daily concentration shall not be exceeded by a factor of 1.5 at any time.

B) Discharge Serial No. 002

Description - Non-contact cooling water (code 1 02 000 N)

Receiving Stream - Willimantic River (basin code 3100)

Present/Future Water Quality Standard - Bc/Bc

Average Daily Flow - 500 gallons per day

Maximum Temperature - 90 degrees F

- 1) The pH of the discharge shall not be less than 6.0 or greater than 9.0. (code 609)
- 2) The discharge shall not contain a visible oil sheen, foam or floating solids.
- 3) The discharge shall not cause visible discoloration of the receiving waters beyond any zone of influence as provided in the "Connecticut Water Quality Standards & Criteria" adopted September 9, 1980.

- 4) The temperature of the discharge shall not increase the temperature of the receiving stream above 85 degrees F or raise the normal temperature of the receiving stream more than 4 degrees F beyond any zone of influence as provided in the "Connecticut Water Quality Standards & Criteria" adopted September 9, 1980.

3) This permit authorizes the discharge of wastewaters as described in paragraph 2 above and in the permit application submitted by Connecticut Cycle Accessories on April 30, 1984. The discharge of any such pollutants in quantities or concentrations greater than those so authorized, or the discharge of any other pollutant in a quantity of concentration which has or may have an adverse impact on the receiving waters is prohibited.

4) The discharges shall be monitored and results reported to the Director of Water Compliance by the 10th of each month according to the following schedule:

A) Discharge Serial No. 001

<u>Parameter</u>	<u>Code</u>	<u>Minimum Frequency of Sampling</u>	<u>Sample Type</u>
Chromium, Hexavalent	108	Bi-weekly	Composite
Chromium, Total	109	Bi-weekly	Composite
Iron	113	Bi-weekly	Composite
Nickel	119	Bi-weekly	Composite
Total Suspended Solids	614	Bi-weekly	Composite
Total Toxic Organics		Bi-weekly	Composite
pH	609	Bi-weekly	Range during composite

- 1) Record the total flow and hours of discharge for each day of sample collection.
- 2) The report shall include a detailed explanation of any violations of the limitations specified in paragraph 2 above.

B) Discharge Serial No. 002

<u>Parameter</u>	<u>Code</u>	<u>Minimum Frequency of Sampling</u>	<u>Sample Type</u>
Temperature		Quarterly	Grab
pH	609		

- 1) Record the instantaneous flow at the time of grab sample collection.

5) The treatment facilities or any part thereof shall not be bypassed at any time without the prior written approval of the Commissioner unless such bypass is unavoidable to prevent loss of life, personal injury or severe property damage. If any part of the waste treatment facilities becomes inoperable at any time, the Water Compliance Unit shall be notified immediately during normal business hours (8:30 a.m. to 4:30 p.m. Monday through Friday), or on the next business day if the incident occurs outside these hours. A written report shall follow, within 72 hours giving the cause of the problem, duration and corrective measures taken.

6) The dispose of screenings, sludges and other solid or oils and other liquid chemicals shall be at locations approved in accordance with the provisions of Chapter 446k and/or Chapter 361a of the Connecticut General Statutes or to waste haulers licensed under Chapter 446k of the Connecticut General Statutes.

7) Process controls or such other means or facilities as approved by the Commissioner on April 27, 1984 shall be maintained to insure that no discharge of untreated or partially treated wastewaters will occur during a failure of the primary power source.

9) On or before November 30, 1984 verify to the Commissioner that compliance with paragraph 1 is being achieved and that the provisions of paragraphs 2, 3, 4, 5, 6 and 7 will be complied with.

10) On or before November 30, 1984 and monthly thereafter submit to the Director of Water Compliance all detailed monitoring data required under the provisions of paragraph 4 above.

Connecticut Cycle Accessories, Inc. is further ordered to accomplish the above-described program, except as may be revised by the recommendations of a detailed engineering study and agreed to by the Commissioner in accordance with the following schedule:

A) On or before December 31, 1984, submit for the review and approval of the Commissioner an engineering report which shall include the following information:

- 1) A description of additional treatment facilities and/or alterations in operating procedures as may be required to assure compliance with the specific terms of paragraph 2 above and/or any applicable Federal and/or State guidelines which may be promulgated subsequent to the issuance of this permit.
- 2) A description of the origin of the oxygen demanding characteristics of discharge serial number 001 and remedial actions necessary to reduce such oxygen demand to an acceptable level.
- 3) A description of present sludge disposal practices, including the quantity generated, means of drying, ultimate disposal site, and waste hauler (if appropriate).
- 4) A comprehensive evaluation of all operation and maintenance procedures including but not limited to the following: manpower requirements, operator training, equipment maintenance schedules, treatment chemical inventory practices, operational monitoring and recordkeeping procedures.
- 5) The means by which proper sampling, preservation, analysis and flow measurement of the discharges will be assured.

B) On or before February 28, 1985, submit for the review and approval of the Commissioner construction plans and specifications accompanied by a summary basis of design for such additional treatment facilities.

- C) On or before April 30, 1985, verify to the Commissioner that the construction of such additional treatment facilities has been started.
- D) On or before June 30, 1985 verify to the Commissioner that such additional treatment facilities have been placed in operation.

This order shall be considered as the permit required by Section 402 of the Federal Water Pollution Control Act and shall expire on October 5, 1989.

This order shall be subject to all the NPDES General Conditions dated April 27, 1979 which are hereby incorporated into this order.

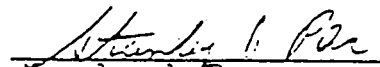
Upon verification of full compliance with this order, a letter acknowledging this order to be equivalent of a permit issued under Section 22a-430 and/or a revised NPDES permit will be issued.

This permit shall be modified, or alternatively, revoked and reissued, to comply with any applicable effluent standard or limitation issued or approved under Sections 301(b)(2) (C), and (D), 304(b)(2), and 307(a)(2) of the Clean Water Act if the effluent standard or limitation so issued or approved:

- 1) Contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
- 2) Controls any pollutant not limited in the permit.

The permit as modified or reissued under this paragraph shall also contain any other requirements of the Act then applicable.

Entered as an order of the Commissioner on October 5, 1984.


Stanley J. Pac
COMMISSIONER

Order No. 3782
NPDES No. CT 0023036
Application No. 84-083



STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION

STATE OFFICE BUILDING HARTFORD, CONNECTICUT 06115

76-166



NPDES PERMIT

83

Connecticut Cycle Accessories, Inc.
South Park Street
Willimantic, Connecticut 06226

Attention: Mr. Mark Turkington
President

Re: DEP/WPC-163-036
Town of Windham
Willimantic River Watershed

Gentlemen:

This permit is authorized to be issued by Chapter 474a, Connecticut General Statutes and Section 402(b), Federal Water Pollution Control Act, as amended, 33 USC 1251, et. seq., and pursuant to an approval dated September 26, 1973, by the Administrator of the United States Environmental Protection Agency for the State of Connecticut to administer an N.P.D.E.S. permit program.

The Commissioner of Environmental Protection (hereinafter "the Commissioner") has found that the system installed for the treatment of the discharge will protect the waters of the state from pollution.

The Commissioner, acting under Section 25-54i, hereby permits Connecticut Cycle Accessories, Inc. to discharge 5,000 gallons per day of treated metal finishing wastewater to the Willimantic River in accordance with the following conditions:

- 1) The wastewaters shall be collected, treated and discharged in accordance with the plans and specifications approved by the Commissioner on April 27, 1978.
- 2) The discharge described in this permit shall not exceed and shall otherwise conform to the specific terms and general conditions specified herein:
 - A) Discharge Serial No. 001
Receiving Stream - Willimantic River - 1978
Average Daily Flow - 5,000 gallons per day

<u>Parameter</u>	<u>Average Daily Quantity</u>	<u>Maximum Daily Quantity</u>	<u>Average Daily Concentration</u>
Iron	0.019 kg/day	0.038 kg/day	1.0 mg/l
Nickel	0.019 kg/day	0.038 kg/day	1.0 mg/l
Hexavalent Chromium	0.002 kg/day	0.004 kg/day	0.1 mg/l
Total Chromium	0.019 kg/day	0.038 kg/day	1.0 mg/l
Suspended Solids	0.379 kg/day	0.758 kg/day	20.0 mg/l

- 1) The pH of the discharge shall not be less than 7.0 nor greater than 9.0.
- 2) The discharge shall not contain a visible oil sheen, foam or floating solids.
- 3) The discharge shall not contain more than 0.1 milliliters per liter settleable solids.
- 4) The discharge shall not cause visible discoloration of the receiving waters.
- 5) The average daily concentrations specified above shall not be exceeded by more than a factor of 2.0 during any four hour period.

3) Not discharge any new pollutant not authorized by this permit which has or may have an adverse impact on the receiving waters.

4) The discharge shall be monitored and results reported to the Director of Water Compliance and Hazardous Substances by the 10th of each month according to the following schedule:

A) Discharge Serial No. 001

<u>Parameter</u>	<u>Minimum Frequency of Sampling</u>	<u>Sample Type</u>
pH	Monthly	Range During Composite
Iron	Monthly	Composite
Nickel	Monthly	Composite
Hexavalent Chromium	Monthly	Composite
Total Chromium	Monthly	Composite
Suspended Solids	Monthly	Composite

- 1) Record the total flow during the period of composite sample collection.

5) The treatment facilities shall not be bypassed at any time.

6) The disposal of screenings, sludges and other solids or oils and other liquid chemical wastes shall be at locations approved in accordance with the provisions of Chapter 474a and/or Chapter 361a of the Connecticut General Statutes or to waste haulers licensed under Chapter 474a of the Connecticut General Statutes.

7) Process controls or such other means or facilities as approved by the Commissioner on April 27, 1978 shall be maintained to insure that no discharge of untreated or partially treated wastewater will occur during a failure of the primary power source.

This permit shall be considered as the permit required by Section 402 of the Federal Water Pollution Control Act and Section 25-54i of the Connecticut General Statutes and shall expire on June 2, 1983.

The permit shall be subject to all the NPDES General Conditions dated December 27, 1974 which are hereby incorporated into this permit.

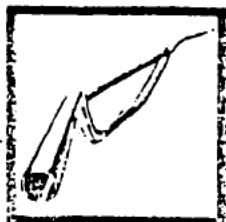
Entered as a permit of the Commissioner the 2nd day of June, 1978.

Stanley J. Pac

Stanley J. Pac
COMMISSIONER

NPDES No. CT0023086

cc: Consulting Environmental Engineers
ATTN: Mr. William Williams



**CONNECTICUT
CYCLE
ACCESSORIES**

South Park St. Willimantic, Connecticut 06226 (203) 423-1611

July 15, 1981

Kevin Marquis
Conn. Dept. of Environmental Protection
122 Washington St.
Hartford, CT. 06115

Re: Permit violations sample 12-17-80
Written explanation required

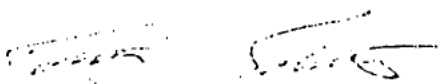
Kevin,

Concerning permit violations of our acid/caustic rinse water collected 12-15-80, with over-concentrations of nickel (2.7 mg/liter) and iron (9.2 mg/liter).

As explained to you in our recent telephone conversation, the sample showing an over-concentration of nickel was taken before we made changes in this system to eliminate nickel contamination. Please refer to my letter of 2-25-81 addressed to Wesley Winterbottom explaining the modifications made to the system.

The second violation, regarding a sample showing high iron concentration (9.2 mg/liter), I found quite baffling. Occasionally the iron concentration in this system is high even though no changes have been made in the process in which this water is used. The only variable in the system is the fact that the source of the water is a well, which may be a contributing factor. I have taken the following steps in an attempt to correct the problem. First, I have obtained a portable iron test kit to test the water entering and leaving the system. Next, the bin used to settle out iron was thoroughly cleaned and modifications were made to the piping into the bin to minimize water movement, thus promoting a better settlement action. Closer monitoring of the water discharge and modifications in settlement of iron should bring us back into permit parameters.

Hopefully, this letter answers all your questions on actions taken by Connecticut Cycle Accessories to comply with our permit requirements.


Robert Rollins
Plating Dept. Supervisor

RR/kmc

ATTACHMENT B

**CONNECTICUT CYCLE ACCESSORIES
WILLIMANTIC, CONNECTICUT**

EPA NOTIFICATION/103(C) FORM



ACKNOWLEDGEMENT OF NOTIFICATION
OF HAZARDOUS WASTE ACTIVITY
(VERIFICATION)

This is to acknowledge that you have filed a Notification of Hazardous Waste Activity for the installation located at the address shown in the box below to comply with Section 3010 of the Resource Conservation and Recovery Act (RCRA). Your EPA Identification Number for that installation appears in the box below. The EPA Identification Number must be included on all shipping manifests for transporting hazardous wastes; on all Annual Reports that generators of hazardous waste, and owners and operators of hazardous waste treatment, storage and disposal facilities must file with EPA; on all applications for a Federal Hazardous Waste Permit; and other hazardous waste management reports and documents required under Subtitle C of RCRA.

EPA I.D. NUMBER

CT0057236465

CONN CYCLE ACCESSORIES INC
SOUTH PARK STREET
MILLIMANTIC

CT 06226

INSTALLATION ADDRESS

SOUTH PARK STREET
MILLIMANTIC

CT 06220

EPA Form 6700-12B (4-80)

02/20/81

LOCATION OF INSTALLATION

STREET OR ROUTE NUMBER

SOUTH PARK STREET

CITY OR TOWN

MILLIMANTIC

ST.

ZIP CODE

CT 06226

INSTALLATION CONTACT

NAME AND TITLE (last, first, & job title)

MILLITNS ROBERT SUPERVISOR

PHONE NO. (area code & no.)

203-423-1611

OWNERSHIP

A. NAME OF INSTALLATION'S LEGAL OWNER

CONN CYCLE ACCESSORIES INC

B. TYPE OF OWNERSHIP
(enter appropriate letter into box)

- ☐ FEDERAL
☐ NON-FEDERAL

V. TYPE OF HAZARDOUS WASTE ACTIVITY (enter "X" in the appropriate box(es))

☒ A. GENERATION

☐ B. TRANSPORTATION (complete Item VII)

☐ C. TREAT/STORE/DISPOSE

☐ D. UNDERGROUND INJECTION

MODE OF TRANSPORTATION (transporters only - enter "X" in the appropriate box(es))

☐ A. AIR

☐ B. RAIL

☐ C. HIGHWAY

☐ D. WATER

☐ E. OTHER (specify):

FIRST OR SUBSEQUENT NOTIFICATION

"X" in the appropriate box to indicate whether this is your installation's first notification of hazardous waste activity or a subsequent notification. If not your first notification, enter your installation's EPA I.D. Number in the space provided below.

☒ A. FIRST NOTIFICATION

☐ B. SUBSEQUENT NOTIFICATION (complete Item C)

C. INSTALLATION'S EPA I.D. NO.

DESCRIPTION OF HAZARDOUS WASTES

Go to the reverse of this form and provide the requested information.

Form 6700-12 (6-80)

CONTINUE ON REVERSE

NON OF HAZARDOUS WASTES (continued from front)

HAZARDOUS WASTES FROM SPECIFIC SOURCES. Enter the four-digit number from 40 CFR Part 261.31 for each listed hazardous waste from specific sources your installation handles. Use additional sheets if necessary.

1	2	3	4	5	6
7	8	9	10	11	12

HAZARDOUS WASTES FROM SPECIFIC SOURCES. Enter the four-digit number from 40 CFR Part 261.32 for each listed hazardous waste from specific industrial sources your installation handles. Use additional sheets if necessary.

13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30

C. COMMERCIAL CHEMICAL PRODUCT HAZARDOUS WASTES. Enter the four-digit number from 40 CFR Part 261.33 for each chemical substance your installation handles which may be a hazardous waste. Use additional sheets if necessary.

31	32	33	34	35	36
37	38	39	40	41	42
43	44	45	46	47	48

D. LISTED INFECTIOUS WASTES. Enter the four-digit number from 40 CFR Part 261.34 for each listed hazardous waste from hospitals, veterinary hospitals, medical and research laboratories your installation handles. Use additional sheets if necessary.

49	50	51	52	53	54
----	----	----	----	----	----

E. CHARACTERISTICS OF NON-LISTED HAZARDOUS WASTES. Mark "X" in the boxes corresponding to the characteristics of non-listed hazardous wastes your installation handles. (See 40 CFR Parts 261.21 - 261.24.)

☐ 1. IGNITABLE
(D001)

☐ 2. CORROSIVE
(D002)

☐ 3. REACTIVE
(D003)

☐ 4. TOXIC
(D000)

X. CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SIGNATURE

Robert Rollins

NAME & OFFICIAL TITLE (Type or Print)

ROBERT ROLLINS PLATING DEPT
SUPERVISOR

DATE SIGNED

12-3-80

Place an X in the appropriate boxes to indicate the facility types found at the site. In the "total facility waste amount" space give the estimated combined quantity (volume) of hazardous wastes at the site using cubic feet or gallons.

In the "total facility area" space, give the estimated area size which the facilities occupy using square feet or acres.

- Facility Type
1. ☐ Piles
 2. ☐ Land Treatment
 3. ☐ Landfill
 4. ☐ Tanks
 5. ☐ Impoundment
 6. ☐ Underground Injection
 7. ☐ Drums, Above Ground
 8. ☐ Drums, Below Ground
 9. ☐ Other (Specify) _____

Total Facility Waste Amount

cubic feet: _____

gallons: 5,500

Total Facility Area

square feet: 50,000

acres: _____

G Known, Suspected or Likely Releases to the Environment:

Place an X in the appropriate boxes to indicate any known, suspected, or likely releases of wastes to the environment.

☐ Known ☐ Suspected ☐ Likely ☒ None

Note: Items Hand I are optional. Completing these items will assist EPA and State and local governments in locating and assessing hazardous waste sites. Although completing the items is not required, you are encouraged to do so.

H Sketch Map of Site Location: (Optional)

Sketch a map showing streets, highways, routes or other prominent landmarks near the site. Place an X on the map to indicate the site location. Draw an arrow showing the direction north. You may substitute a publishing map showing the site location.

I Description of Site: (Optional)

Describe the history and present conditions of the site. Give directions to the site and describe any nearby wells, springs, lakes, or housing. Include such information as how waste was disposed and where the waste came from. Provide any other information or comments which may help describe the site conditions.

J Signature and Title:

The person or authorized representative (such as plant managers, superintendents, trustees or attorneys) of persons required to notify must sign the form and provide a mailing address (if different than address in item A). For other persons providing notification, the signature is optional. Check the boxes which best describe the relationship to the site of the person required to notify. If you are not required to notify check "Other".

Name Robert Rellias

Street SO. PARK ST.

City Willimantic

State CT Zip Code 06226

Signature [Signature]

Date 6-9-81

- ☐ Owner, Present
- ☐ Owner, Past
- ☐ Transporter
- ☒ Operator, Present
- ☐ Operator, Past
- ☐ Other

ATTACHMENT C

**CONNECTICUT CYCLE ACCESSORIES
WILLIMANTIC, CONNECTICUT**

CT DEP RCRA NOV N°0040

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION

HAZARDOUS WASTE MANAGEMENT SECTION



November 9, 1982

Date
NOTICE OF VIOLATION

NV No. 0040

DEP/HW No. _____

Mr. Robert Rollins, Plating Department Supervisor
Connecticut Cycle Accessories, Inc.
South Park Street
Willimantic, CT 06226

Dear Mr. Rollins:

During our inspection on 5/7/82 & 5/10/82 it was noted that your company is in violation of Connecticut's Hazardous Waste Management Regulations. Therefore, we are enclosing the following for your immediate attention and action:

- 1) Notice of Violation NV No. 0040;
- 2) a copy of our Inspection Report, dated 5/7/82 & 5/10/82; and
- 3) a copy of the Connecticut Hazardous Waste Management Regulations.

Should you have any questions, please contact Glenn A. Goldsmith
at 566-4869/5712.

Very truly yours,

A handwritten signature in dark ink, appearing to read "S. W. Hitchcock".

Stephen W. Hitchcock
Director

Hazardous Materials Management Unit

SWH:GAG:et
enclosures:

Phone:

State Office Building, Hartford, Connecticut 06106

An Equal Opportunity Employer



STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
HAZARDOUS WASTE MANAGEMENT SECTION



Notice of Violation

W 0040

DEP/HW No.

TO: Connecticut Cycle Accessories, Inc.

South Park St.

Willimantic, CT 06226

Attention: Robert Rollins, Plating Dept. Supr.

You are hereby notified of violation(s) of State Regulations and/or Statutes regarding hazardous industrial waste management (referenced below).

Within Sixty (60) days after receipt of the Notice, you must correct the violation(s) so as to comply with the specified Regulations and/or Statutes, and also

SUBMIT IN WRITING to the ---Enforcement Group

Hazardous Waste Management Section

Department of Environmental Protection

165 Capitol Avenue

Hartford, Connecticut 06106

the details of the specific corrective action you HAVE taken which resulted in compliance. Failure to do so will require us to issue a State Order. Please be advised that intentional falsification of information is subject to criminal penalties under State and Federal laws.

You are invited to confer with us about this NOTICE before the end of the period specified above. If you do not initiate such a conference within that period, you shall be considered to have waived this opportunity. Please contact the Hazardous Waste Management Section at 566-4869/5712 regarding any questions.

Stephen W. Hitchcock

Stephen W. Hitchcock

Hazardous Materials Management Unit

11/9/82

Date

Regarding:

Violation(s) of State Regulation(s) and/or Statute(s); Section(s)

- | | |
|---|---------------|
| 1. Inspection Log | 25-54cc(c)-28 |
| 2. Personnel Training Records | -29 |
| 3. Contingency Plan | -31 |
| 4. Use and Management of Containers | -38 |
| 5. Short-term Storage and Accumulation Time | -7 |

Copies of these Regulations and Statutes are available for your reference in our office.

RETURN OF SERVICE

A copy of the foregoing NOTICE was submitted to the above-named as indicated below:

() Personally delivered to _____ on _____

() Certified Mail to the usual place of business or residence. Registration No. P 304 126 06

Phone:

State Office Building, Hartford, Connecticut 06115



STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION



December 19, 1986

SITE NAME: _____

TOWN: _____

FILE TYPE: _____

Connecticut Cycle Accessories
South Park Street
Willimantic, CT 06226

RE: NOTICE OF VIOLATION NO. 0040

Dear Mr. Ziolkowski:

Based upon an inspection at your facility on November 5, 1986, the Department has verified that the facility is in compliance with all applicable Hazardous Waste Management Regulations.

This letter is to therefore acknowledge full compliance with NOV No. 0040 entered on November 9, 1982.

Your attention is drawn to the fact that the facility must be operated and maintained properly and is subject to the provisions of Section 22a-449 of the Connecticut General Statutes.

Very truly yours,

Stephen W. Hitchcock
Director

Hazardous Materials Management Unit

SWH:SMS:kal

Phone:

165 Capitol Avenue • Hartford, Connecticut 06106

An Equal Opportunity Employer

ATTACHMENT D

**CONNECTICUT CYCLE ACCESSORIES
WILLIMANTIC, CONNECTICUT**

CT DEP SOIL SAMPLE RESULTS 8/15/91

- SOIL - VOLATILE ORGANIC COMPOUNDS.
- SOIL - INORGANICS.
- SOIL - CYANIDE.

18-20 TRINITY STREET, HARTFORD

~~91 AUG 15 PM 2:24~~

Enforcement samples, no information will be released prior to disposition of case.

A00106 / DEP

~~91 AUG 15 PM 2:24~~

DIREC

8010 - 8020



STATE OF CONNECTICUT

Department of Health Services
Laboratory Division

10 Clinton St.
P.O. Box 1689
Hartford, CT 06144
TELEPHONE: (203) 566-5063

ID.	ACCESSION NO.	ACCOUNT NO.	ROUTE
NR:8313	16089576	A00106	

INFORMATION

WILLIMANTIC
CT. CYCLE ACCESSORIES

WILLIMANTIC

TRADE WASTE
DEP-SRD-FED. PRE-REMEDIATION
165 CAPITAL AVE.

HARTFORD CT 06106

COLLECTED	RECEIVED	REPORTED
08/15/91 11:00	08/15/91 14:24	08/20/91 09:36

REPORT: -- FINAL REPORT

COMMENT: SS-01 SOIL

TEST	RESULT	ACCEPTABLE RANGE	LOW	ACCEPTABLE RANGE	HIGH
*** (SAMPLE OF: SOIL) *** (OWNED BY: MARK AND PHILLIP TURKINGTON) (COLLECTED BY: THOMAS R. NEVILLE) (COMPOSITE: NO.) (NO. & KIND OF BOTTLES: BROWN BOTTLE)					
*** (HYDROCARBON SIGMA 2000 AND 300 FID) (NONE DETECTED) ***					
*** THIS IS A FINAL REPORT. ***					
RECEIVED AUG 22 1991 Waste Management Bureau Site Remediation Division 21 Aug 91					



STATE OF CONNECTICUT

Department of Health Services

Laboratory Division

10 Clinton St.

P.O. Box 1689

Hartford, CT 06144

TELEPHONE: (203) 566-5063

TRADE WASTE
DEP-SRD FED. PRE-REMEDIAL
165 CAPITAL AVE.

HARTFORD CT 06106

ID.

ADDITION NO.

ACCOUNT NO.

ROUTE PA

NR:8316

16089577+

A00106

INFORMATION

WILLIMANTIC
CT.CYCLE ACCESSORIES.

WILLIMANTIC

COLLECTED

RECEIVED

REPORTED

08/15/91

08/15/91

08/20/91

10:30

14:24

-09:36

REPORT:

FINAL REPORT

COMMENT:

SS-02 SOIL

TEST

RESULT

ACCEPTABLE RANGE

LOW

ACCEPTABLE RANGE

HIGH

(SAMPLE OF: SOIL)
(OWNED BY: MARK AND PHILLIP TURKINGTON)
(COLLECTED BY: THOMAS R. NEVILLE)
(COMPOSITE: NO)
(NO. & KIND OF BOTTLES: BROWN BOTTLE)

(HYDROCARBON SIGMA 2000 AND 300 FID)
(NONE DETECTED)

*** THIS IS A FINAL REPORT. ***

21 Aug 91



STATE OF CONNECTICUT

Department of Health Services

Laboratory Division

10 Clinton St.

P.O. Box 1689

Hartford, CT 06144

TELEPHONE: (203) 566-5063

TRADE WASTE

DEP-SRD FED. PRE-REMEDIAL

165 CAPITAL AVE.

HARTFORD

CT 06106

ID.

ACCION NO.

ACCOUNT NO.

ROUTE/PA

NR:8319

16089578

A00106

INFORMATION

WILLIMANTIC
CT. CYCLE ACCESSORIES

WILLIMANTIC

COLLECTED

RECEIVED

REPORTED

08/15/91
10:30

08/15/91
14:24

08/20/91
09:36

REPORT.

FINAL REPORT

COMMENT:

SS-020 SOIL

TEST

RESULT

ACCEPTABLE RANGE

LOW

ACCEPTABLE RANGE

HIGH

(SAMPLE OF: SOIL)
(OWNED BY: MARK AND PHILLIP TURKINGTON)
(COLLECTED BY: THOMAS R. NEVILLE)
(COMPOSITE: NO.)
(NO. & KIND OF BOTTLES: BROWN BOTTLE)

(HYDROCARBON SIGMA 2000 AND 300 FID)
(NONE DETECTED)

*** THIS IS A FINAL REPORT. ***

2/1/91

TEL: (203) 566-7202

CHAIN OF CUSTODY RECORD

91 AUG 15 PM 2:29

Enforcement samples, no information will be released prior to disposition of case.

WASTE MANAGEMENT BUREAU

CHAIN OF CUSTODY RECORD

91 AUG 15 PM 2:29

Enforcement samples, no information will be released prior to disposition of case.

SAMPLE

INVOICE

SAMPLES OF SEWAGE OR TRADE WASTE

91 AUG 15 PM 2: 29

To be filled in by person collecting samples

From (T. Cycle Accessories) in town of Williamsville, CT

Sample of sewage (), trade waste (), sludge (), or SoC

Name of treatment plant *N/A*

Owned by Mark & Philip Turbington

Plant processes or treatment

Collected by Thomas R. Neville On 8/15/91

Report to Thomas R. Neville Shipped on _____

[illegible]

No. and Kind of Bottles 3 - 1 Liter plastic bottles

OL-33 Rev. 10-82

Director

Superfund metals



STATE OF CONNECTICUT

Department of Health Services

Laboratory Division

10 Clinton St.

P.O. Box 1689

Hartford, CT 06144

TELEPHONE: (203) 566-5063

MISC.

DEP-SRD FED. PRE-REMEDIAL
165 CAPITAL AVE.

HARTFORD

CT 06106

I.D.

NR:831475

ACCESSION NO.

22124177

ACCOUNT NO.

A00106

ROUTE

INFORMATION

WILLIMANTIC
CT. CYCLE ACCESSORIES

WILLIMANTIC

COLLECTED

08/15/91

11:00

RECEIVED

08/15/91

14:29

REPORTED

09/13/91

13:06

REPORT:

FINAL REPORT

COMMENT:

SS-01 SOIL CHAIN CU

TEST

RESULT

ACCEPTABLE RANGE

LOW

ACCEPTABLE RANGE

HIGH

(SAMPLE OF: SOIL)
(OWNED BY: MARK AND PHILIP TURKINGTON)
(COLLECTED BY: THOMAS R. NEVILLE)
(COMPOSITE: NO)
(NO. & KIND OF BOTTLES: 1 PLASTIC BOTTLE, 1 BB)

*** UNITS: MG/L UNLESS NOTED

(METALS REPORTED AS MG/KG)

CYANIDE/COMPLEX 505 0.00

CADMIUM 107 1.5

CHROMIUM 109 17.

COPPER 111 140.

NICKEL 119 20.

LEAD 114 67.

ZINC 127 120.

ARSENIC 5.1

BARIUM 63.

SELENIUM <1.0

SILVER 122 1.0

MERCURY 0.12

IRON 113 11,000.

MANGANESE 310.

ALUMINUM 101 11,000.

SODIUM, DIRECT 160.

POTASSIUM, DIRECT 1400.

CALCIUM 1100.

MAGNESIUM 2700.

ANTIMONY 0.00

COBALT 14.

VANADIUM 46.

BERYLLIUM 0.00

THALLIUM 0.00

*** THIS IS A FINAL REPORT. ***

RECEIVED

SEP 19 1991

Waste Management Bureau
Site Remediation Division



STATE OF CONNECTICUT

Department of Health Services

Laboratory Division

10 Clinton St.

P.O. Box 1689

Hartford, CT 06144

TELEPHONE: (203) 566-5063

ID.	ACQUISITION NO.	ACCOUNT NO.	ROUTE
NR:83178	22124178	A00106	
INFORMATION			
WILLIMANTIC CT. CYCLE ACCESSORIES			
WILLIMANTIC			
COLLECTED	RECEIVED	REPORTED	
08/15/91 10:30	08/15/91 14:29	09/13/91 13:06	

MISC.

DEP-SRD FED. PRE-REMEDIAL

165 CAPITAL AVE.

HARTFORD

CT 06106

REPORT: FINAL REPORT

COMMENT:

SS-02 SOIL CHAIN CU

TEST	RESULT	ACCEPTABLE RANGE	LOW	ACCEPTABLE RANGE	HIGH

(SAMPLE OF: SOIL)					
(OWNED BY: MARK AND PHILIP TURKINGTON)					
(COLLECTED BY: THOMAS R. NEVILLE)					
(COMPOSITE: NO)					
(NO. & KIND OF BOTTLES: 1 PLASTIC BOTTLE, 1 BB)					
*** UNITS: MG/L UNLESS NOTED					
(METALS REPORTED AS MG/KG)					
CYANIDE, COMPLEX 505	0.00				
CADMIUM 107	1.0				
CHROMIUM 109	14.				
COPPER 111	9.5				
NICKEL 119	12.				
LEAD 114	9.0				
ZINC 127	26.				
ARSENIC	2.3				
BARIUM	24.				
SELENIUM	<1.0				
SILVER 122	0.50				
MERCURY	0.03				
IRON 113	11,000.				
MANGANESE	100.				
ALUMINUM 101	11,000.				
SODIUM, DIRECT	150.				
POTASSIUM, DIRECT	880.				
CALCIUM	690.				
MAGNESIUM	2500.				
ANTIMONY	0.20				
COBALT	10.				
VANADIUM	14.				
BERYLLIUM	0.00				
THALLIUM	0.00				
*** THIS IS A FINAL REPORT. ***					

RECEIVED

SEP 19 1991

Waste Management Bureau
Site Remediation Division



STATE OF CONNECTICUT

Department of Health Services

Laboratory Division

10 Clinton St.

P.O. Box 1689

Hartford, CT 06144

TELEPHONE: (203) 566-5063

MISC.

DEP-SRD FED. PRE-REMEDIAL

165 CAPITAL AVE.

HARTFORD

CT 06106

ID.

NR:8320,1

ACCESSION NO.

22124179

ACCOUNT NO.

A00106

ROUTE

INFORMATION

WILLIMANTIC

CT.CYCLE ACCESSORIES

WILLIMANTIC

COLLECTED

08/15/91

10:30

RECEIVED

08/15/91

14:29

REPORTED

09/13/91

13:06

REPORT: FINAL REPORT

COMMENT:

SS-02D SOIL CHAIN CU

TEST	RESULT	ACCEPTABLE RANGE	LOW	ACCEPTABLE RANGE	HIGH

(SAMPLE OF: SOIL)					
(OWNED BY: MARK AND PHILIP TURKINGTON)					
(COLLECTED BY: THOMAS R. NEVILLE)					
(COMPOSITE: NO)					
(NO. & KIND OF BOTTLES: 1 PLASTIC BOTTLE, 1 BB)					
*** UNITS: MG/L UNLESS NOTED					
(METALS REPORTED AS MG/KG)					
CYANIDE, COMPLEX 505	0.00				
CADMIUM 107	1.0				
CHROMIUM 109	13.				
COPPER 111	9.5				
NICKEL 119	12.				
LEAD 114	8.5				
ZINC 127	26.				
ARSENIC	1.4				
BARIUM	23.				
SELENIUM	<1.0				
SILVER 122	0.50				
MERCURY	0.00				
IRON 113	11,000.				
MANGANESE	97.				
ALUMINUM 101	11,000.				
SODIUM, DIRECT	120.				
POTASSIUM, DIRECT	860.				
CALCIUM	650.				
MAGNESIUM	2300.				
ANTIMONY	0.70				
COBALT	8.0				
VANADIUM	16.				
BERYLLIUM	0.00				
THALLIUM	0.00				
*** THIS IS A FINAL REPORT. ***					

RECEIVED

SEP 19 1991

Waste Management Bureau
Site Remediation Division

ATTACHMENT E

**CONNECTICUT CYCLE ACCESSORIES
WILLIMANTIC, CONNECTICUT**

**POPULATION FIGURES AND CALCULATIONS/
WATER DEPARTMENT INFORMATION**

POPULATION CALCULATIONS

Distance Ring	Town	Miles ² Within Distance Ring	Persons Per Mile ²	Pop. Per Distance Ring, Per Town	Total Pop.
0-¼	Willimantic	0.196	3,351.4	656.8	657
¼-½	Willimantic	0.589	3,351.4	1,973.9	1,974
½-1	Willimantic Windham Lebanon	1.607 *3.25 per/house *2.50 per house	5,385.7 *35 houses *94 houses	5,385 113.7 235.0	5,734
1-2	Willimantic Windham Lebanon Mansfield	1.8 3.7 3.4 0.9	3,351 813.2 111.7 474.2	6032 3,008 380 427	9,862
2-3	Windham Lebanon Mansfield Columbia Coventry	5.3 4.6 3.12 1.6 *3.14 per house	813.2 111.7 474.2 210.7 *9 houses	4,310 514 1,480 337 28	6,669
3-4	Windham Lebanon Mansfield Columbia Coventry	6.9 5.7 4.4 *3.11 per house *3.14 per house	813.2 111.7 474.2 *84 houses *18 houses	5,611 637 2,086 261 57	8,652

The site is located within an area classified as a "Aquifer Protection Area" (a CT DEP classification synonymous with the EPA "Wellhead Protection Area"), which are areas containing overburden wells supplying to the public (≥1,000 customers) extending to the areas of recharge utilized by such wells. These areas may also be subject to certain restrictions concerning land use, industry, etc. Information derived from the CT DEP project has been used for the purposes of this report although the CT DEP project was in a draft, or level B mapping stage at the time of this investigation.

Five community water companies supply the town of Willimantic with drinking water. The Willimantic Water Works supplies the town of Windham as well as the town of Mansfield. The Willimantic Water Works draws its water entirely from the Willimantic Reservoir (distribution) and Naubesatuck Lake, aka Mansfield Hollow Dam (storage). There is no potential for activities at this site to impact the Willimantic Water Works supply.

The pumping facility is located approximately one mile downstream of the Willimantic Reservoir and the Mansfield Hollow Dam and is located 2½ miles north of the site. This water supply does not lay along the surface water pathway from the site.

Abby Manor Convalescent Home, Brick Top Apartments, Cedarcrest Apartments, and Willington Commons are the other community water companies located in Windham, Ct.

The following table identifies the public well water supplies located within a four mile radius of Connecticut Cycle Accessories.

**PUBLIC WATER SUPPLY SOURCES WITHIN 4 MILES
(AND/OR 15 DOWNSTREAM MILES) OF CONNECTICUT CYCLE ACCESSORIES**

Distance/Direction In Miles	Source Name	Location of Source	Population Served
(b) (9)	Hosmer Mountain Bottling Company	Willimantic	2,000 case/wk, 275 oz/case, 1 case per family(average)
	Brick Top Apartments	Windham	224
	Village Hill Apartments	Lebanon	30
	Cedarcrest Apartments	Windham	48
	Plains Road Apartments	Windham	N/A
	Abby Manor Convalescent Home (well)	Windham	105
	Mountain Road Supply	Mansfield	72
	Colonial Drive $\frac{1}{2}$	Columbia	30

The following table identifies the population served by wells drawing from within a four mile radius of the site. Populations within radial distances were derived using house counts/area, (United States Geological Survey(USGS) Topographic Maps), residents per household/residents per square mile (United States Census Data, 1990), and by information obtained from local town offices and municipal water suppliers serving the study area.

**PRIVATE WELL USERS LOCATED WITHIN
A FOUR-MILE RADIUS OF THE SITE**

Radial Distance From Connecticut Cycle Accessories	Approximate Total Population Served by Wells Public/private
0.00 - 0.25	6,140(Hosmer Mountain Bottling Company Supply)
0.25 - 0.50	0
0.50 - 1.00	47
1.00 - 2.00	4,170
2.00 - 3.00	6,536
3.00 - 4.00	8,713